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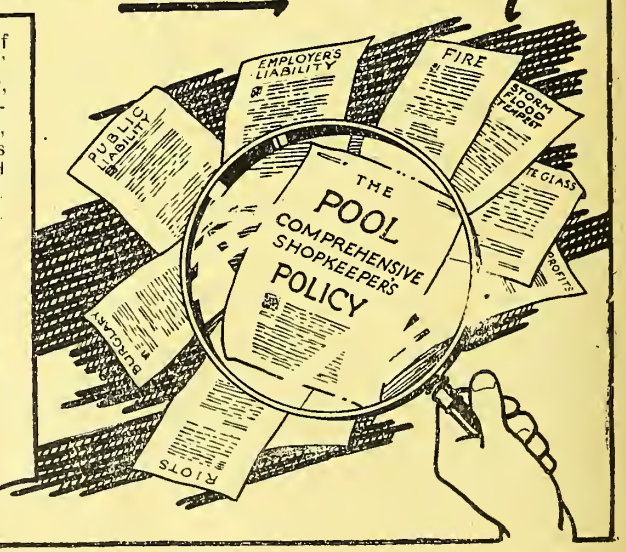

Maw's Page

April 30, 1921 No. 498

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For the convenience of London customers who have not the accommodation we are prepared to deliver bottles washed.

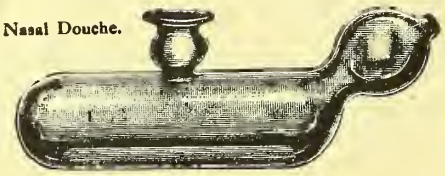
Kali

Lime

Medical

Tubes of all sizes, Test Tubes, Douche Linings, Burettes, Separating Funnels and many other lines in Chemical and Laboratory Glassware.

Nasal Douche.



Two-ended Feeder.

WHOLESALE ONLY. NO RETAIL FIRMS SUPPLIED.

JULES LANG & SON

Charlton Works, Charlton Place, Islington, LONDON, N. 1.

Telephones: North 2770-2 (three lines).
Telegrams: "Assorted, Phone, London."

Codes: A B C, 5th Edition; Scott's, 10th Edition (1906); and Bentley's Complete Phrase Code.

Preparations for the Feet.

Good Sellers during the Hot Weather.

"DURAPEDE"

A liquid application for tender and hot feet. No bathing necessary. It is applied to the feet with a sponge night and morning.

4-oz. bottles - 7/9 per doz.
10 „ „ - 14/6 „ „
Name and Address printed free on 3 dozen lots. Showcards supplied.

"EASIPED" Antiseptic FOOT BATH TABLETS

FOR KEEPING THE FEET COOL AND HEALTHY.

In bottles of 20 tablets at 5/- per doz.
„ „ „ 40 „ „ 8/- „ „
Name and Address printed free on 3 dozen lots. Showcards supplied.

C. R. Harker, Stagg & Morgan, Ltd.

DEVON WHARF AND BELL WHARF,
EMMOTT STREET, MILE END, LONDON, E. 1.

Increasing Popularity of "HARLENE HAIR DRILL."

EVERY DAY EMPHASISES THE NECESSITY FOR MEETING THE PUBLIC DEMAND.

(See Special "Carriage Paid" Offer below.)

The widespread publicity initiated by the Proprietors of "Harlene" over a number of years and vigorously maintained right up to the present time, in spite of many difficulties, continues to draw an immense response from all parts of the country. Thousands of sample parcels are dispatched daily, thus increasing the number of possible customers to retail stores everywhere.

HAVE YOU A GOOD STOCK OF "HARLENE HAIR DRILL" PREPARATIONS ?

NOTE—The Contents of the Free HARLENE OUTFITS Comprise:

1. A Trial Bottle of Harlene
2. A "Cremex" Shampoo Powder
3. A Trial Bottle of "Uzon" Brilliantine
4. Book of Instructions

FOLLOW THE TIDE OF SUCCESS.

Watch the Great Free Gift Advertising Campaign that brings the Customers to your Shop.

IMPORTANT NOTICE.—We are pleased to announce that, owing to the slight drop in cost of raw materials, we are now able to execute ***orders carriage paid*** on parcels of assorted goods to the value of £5 and upwards, net. Case charged 2/6 extra, allowed for in full if returned, carriage paid, within 7 days.

This Special Offer is Strictly Cash with Order.

Free Cases are entirely discontinued. In no circumstances will carriage be paid on orders less than £30, where goods are charged to a/c. Every Chemist and Stores should avail themselves of this profitable £5 Carriage Paid Parcel Offer ***at once.***

EDWARDS' HARLENE, Ltd. 20, 22, 24 & 26 Lamb's Conduit Street - LONDON, W.C. 1.

AYRTON'S WEEKLY

PAGE 15

Place your Order To-day !

Full supplies are now available.

AYRTON'S COCOANUT OIL SHAMPOO.
The perfect hair and scalp cleanser. Used and recommended by Mdme. Anna Pavlova, Miss Peggy O'Neil, Miss Phyllis Neilson-Terry and many other prominent artistes.

RETAIL (P.A.T.A.) ... ... per bottle **2/3**
WHOLESALE ... ... per dozen **16/6**

AYRTON'S C.N.O. TABLET.
The original Cocoanut Oil Shampoo Tablet.
RETAIL (P.A.T.A.) per tabl t **3d.** per carton of six tablets **1/3**
WHOLESALE per dozen cartons **10/-** per gross cartons **114/-**

SPECIAL BONUS OFFER.
With an order for one gross of either of the above preparations and your agreement to make a window display for two weeks we will send you one dozen free of charge.

PERSONAL SERVICE PUBLICITY.
With an order for six dozen of the above preparations, which may be assorted if desired, we will send you a blank form for the names and addresses of fifty of your customers to whom we will send a letter describing the merits of Ayrton's Cocoanut Oil Shampoo, and directing them to your pharmacy for supplies.

LANTERN SLIDES.
A handsomely coloured Lantern Slide bearing your name and address will be supplied on request with orders for six dozen and upwards.

£5 ORDERS CARRIAGE PAID.

Write for pamphlet entitled "Screen Ads," giving full particulars of our Lantern Slide Service.

London Agents :
J. C. GAMBLES & CO.,
49 FARRINGDON STREET,
LONDON, E.C.4.

USE THE AYRTON PUBLICITY SERVICE.
IT MAKES SALES!

AYRTON, SAUNDERS & CO. LTD

Manufacturing Chemists **58 Hanover Street, LIVERPOOL**

IDEAS *for* CHEMISTS

THE SALE THAT REPRODUCES MORE SALES AFTER ITS OWN KIND IS THE SALE THAT BREEDS BIGGER PROFITS

Take a look at your shop window—from the outside. This is all the more important just about this period of the year, when the sun throws its powerful searchlight on everything. Something may be there—such as a shop-soiled carton or other goods—but to bear false witness against you, for the majority of people will judge you by what *they see*, not by what *you are*.

■ ■ ■

View your business under the Microscope of Thought. There are many small things that are big in their effect on your business. The smallest leak will sink the largest ship.

■ ■ ■

Success shirks people of the "I-don't-think" mental attitude in business and shunts them on to the line that leads to Failure. Constructive Thought generates Action, as heat converts water into steam. Thought without Action—like water without fire—has no driving power.

■ ■ ■

Not the least of the differences between men like the Leverhulmes and the Liptons of Business and the gutter-merchants of the city is that the buying and selling of goods in the one case is the result of scientifically organised and disciplined Thought and Action, whereas in the other there is a mere desire for profits easily and quickly earned.

■ ■ ■

Personality is the greatest business builder in the world.

■ ■ ■

Take all men's advice and counsel, but be your own judge. Dare to be a Daniel in your business.

■ ■ ■

A Chemist's business—more than most other businesses—depends on Personality. The few words exchanged with a chance customer may make him and his family regular customers.

■ ■ ■

To make each sale reproduce after its own kind—and to keep on reproducing bigger sales—is the highest type of salesmanship. It is the application of the principle of Evolution and the practice of Eugenics to the selling of goods.

■ ■ ■

Sales of SAN-A-GEN reproduce more and more sales of their own species. Moreover, the sales of SAN-A-GEN lead to sales of other goods because of the Goodwill it creates for those who sell a worthy article.

■ ■ ■

SAN-A-GEN helps Chemists to build bigger business and profits. On the sale of SAN-A-GEN alone there is a 50% Profit on Cost—and this for the mere handing over of tins of this famous Milk and Glycerophosphate Nerve Food instead of all the time and trouble associated with the "filling" of a prescription, with its larger consumption of time—the Chemist's time.

Just look at this Table of Profits on SAN-A-GEN:

4 oz.	Costs 2/-	Sells 3/-	Profit 1/-
8 oz.	Costs 3/4	Sells 5/-	Profit 1/8
16 oz.	Costs 6/4	Sells 9/6	Profit 3/2

■ ■ ■

Everything that is possible is done by the Sanagen Co. Ltd. to help Chemists to increase their sales and profits. Press and other Advertising, Showcards, Weight Cards and supplies of a helpful treatise, entitled "Neurasthenia: The Problem of To-day and To-morrow," for the counter can be had for the asking, and will be gladly supplied on request.

■ ■ ■

You, as a Chemist, know the value of milk as a food. Well, SAN-A-GEN is *the nerve-building essence* of milk, *plus* Glycerophosphates. With Neurasthenia so prevalent, Chemists will find it pays to introduce SAN-A-GEN to those customers who ask for information or who merely say: "My Nerves are so bad!"

■ ■ ■

The nerves of the people have suffered severely and Chemists hear of it every day. Neurasthenia has become almost an epidemic. Every Chemist knows—or should know—that, SAN-A-GEN is the best "medicine" in neurasthenic and other nervous disorders. Rich with the proteids of purest, richest milk, to which are superadded the valuable Glycerophosphates, SAN-A-GEN is indicated in all such cases.

■ ■ ■

More than any other shopkeeper, the Chemist becomes the confidant of his customers. His shop is a sort of "confessional box" for the sick and ailing who come to him in their hour of need. Their faith in him is the highest form of flattery. Doctors place implicit trust in him and the Nursing Profession owes him a debt of gratitude. The motto of all Chemists might well be "Noblesse Oblige"—and as a class they live up to it."

■ ■ ■

Making money is the reward of doing whatever your hand findeth to do in your business seriously and well. The man who is *in* business merely for what he can get *out* of it usually goes out of business poorer than when he entered it. Instead of making money he makes a great mistake. The Public "sense" the business man animated by self-interest. This is why the Chemist who evinces a kindly interest in his Customers is credited with higher motives. Such Chemists regard profit only as the legitimate by-product of honest service.

■ ■ ■

It takes courage to make money, and more courage to make more money. The "scaremonger" is abroad. All the more reason, Mr. Chemist, why you should not hide the light of your special knowledge. Exchange a few kindly words with your customers as opportunity offers, and you will be surprised how you will increase your connection, turnover and profits.

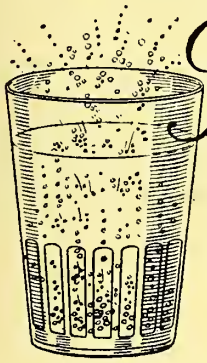
THE ALWAYS BRITISH NERVE FOOD

San-a-gen

SANAGEN CO. LTD., SHEEPCOTE LANE, BATTERSEA, LONDON, S.W. 11

Telephone - - - - - - Latchmere 4363.

The Effervescible that is 100% Efficient



BECAUSE it is SUGARLESS and therefore compounded entirely of Medicinally Active Ingredients, Pharmacists feel confidence in stocking and recommending

—"E.545"—

FRUIT GRANULES

——a saline which appeals especially to the discriminating palate and is a safe investment for Chemists with a good-class clientèle. No other effervescible is quite so economical as "E.545," and though compounded without sugar, skilful pharmacy has ensured palatability.

THE "GET-UP" OF "E.545"

—is a refined and distinctive combination of greens and greys which harmonise with almost any surroundings. "E.545," in short, is a saline which worthily upholds the Kerfoot tradition in effervescible excellence. The trade price for 6-oz. cartoned Chelts. is 15/- per dozen net. If you do not already stock "E.545"

ORDER YOUR TRIAL 3 DOZEN——NOW

—it's just the time!

THOMAS KERFOOT & Co. LTD.,
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

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ESTABLISHED 1895

MOHAWK BRAND OIL PEPPERMINT
(NATURAL AND REDISTILLED)
AMERICAN

PACKED AS FOLLOWS:

3 20-lb. Tins to a Case | 10 5-lb. Tins to a Case
5 10-lb. Tins to a Case | 50 1-lb. Bottles to a Case

All Packages Inclusive.

Preferred and specified by all discriminating Manufacturers as a product of unexcelled purity and delicacy of flavour.

Exclusive Agents for the United Kingdom:
Messrs. E. GUILLEVIC & COMPANY,
19 ST. DUNSTAN'S HILL - - LONDON.

MAGNUS, MABEE & REYNARD, INC. NEW YORK U.S.A.

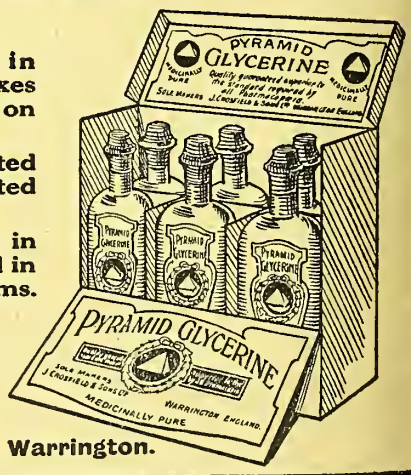
PYRAMID GLYCERINE

Quality guaranteed superior to the standard required by all Pharmacopeia

Beautifully packed in attractive Display Boxes ready for showing on counter or in window.

Boxes contain 12 reputed 2-oz. bottles or 6 reputed 4-oz. bottles.

Can also be supplied in 14, 28 & 56-lb. tins, and in 1, 2½, 5 & 10 cwt. drums.



Write for particulars and Price List to
The Agents :- THE ERASMIC Co., Ltd., Warrington.

TRADE MARK

Established 1880.

"ZINYL"

"ZINYL" is a Disinfectant, non-caustic, perfectly soluble in water, forming a milky opalescent mixture which remains without separation. Carbolic Acid, on the contrary, sinks to the bottom and thus exerts but a limited effect.

"ZINYL" contains 16/17% of Tar Acids; much of the "cheap" rubbish sold does not contain 3%.

"ZINYL" is claimed to be one of the best and cheapest Disinfectants and Germicides on the market, and yields a good profit to the seller. It has been appreciated by the trade for nearly 40 years.

4/6 Gallon; 100 Galls. 4/2; 500 Galls. 4/- net.

In 40-gallon Casks, and in 5 or 10-gallon Drums.

Also attractively put up in Pint Bottles, 15/- per dozen net.

"ZINYL" Surgical Fluid.

This special miscible fluid is one of the most powerful Germicides on the Market. It has a guaranteed co-efficiency of 18/20 on B. Typhosus. This test represents the power to sterilise a culture of a specified bacterium, taking pure Phenol as the standard; so that the special "Zinyl" is **about 20 times the strength of Pure Carbolic Acid.** If 1 part of Carbolic Acid in 100 parts of water were required to destroy a culture of Bacillus Typhosus, 1 part of special "Zinyl" ("Eklips" Brand) in 2,000 parts of water would exert the same power.

Price in Pint Bottles, 36/- dozen; or 10/- per Gallon net.

1-gallon Tins and 5-gallon and 10-gallon Drums and Casks.

H. E. STEVENSON & CO.

Manufacturing Chemists,

122 GREAT SUFFOLK STREET, LONDON, S.E.1

ROSE & COMPANY,

122 ROKIN, AMSTERDAM, HOLLAND.

OUR

Aldehyde

C. 8
C. 9
C. 10
C. 11
C. 12
C. 14
C. 16

ARE SECOND TO NONE.

PRICES AND SAMPLES ON REQUEST.

Sole Agents (Scotland and Northern parts of England) :

W. CAIG MITCHELL & CO., 234 Sauchiehall Street, GLASGOW.

"Newbery's"
FRANCIS NEWBERY & SONS LTD

COMPLETE RANGE OF

Packed Pharmaceuticals,
Toilet Preparations,
"Own Name" Packed Goods.

SUNDRIES—

Best British Tooth Brushes, Hair Brushes, and Shaving Brushes. Mirrors, Manicure Requisites, etc.

FRANCIS NEWBERY
& Sons, Ltd.
LONDON & CARDIFF.

Be prepared!

ADVERTISEMENTS for "Semprolax" are appearing regularly in all the best-known national dailies and weeklies. Be prepared for the certain demand for this elegant and palatable 80 per cent. Liquid Paraffin Conserve. Satisfies your customers and increases your profits and prestige.

Trade Mark Semprolax
LAXATIVE CONSERVE

P.A.T.A. Prices:
25% profit.

	Retail.	Per doz.
½ lb.	2/0	18/0
1 "	3/9	34/0
2 "	6/6	58/6

The
Wm. Browning Co. Ltd.,
Albert St, Regent's Park,
London, N.W. 1.

N.V. CHEMISCHE FABRIEK "NAARDEN"

BUSSUM, HOLLAND.

ESSENTIAL OILS, &c.

for the Soap, Confectionery, Mineral Water, Tobacco and Allied Trades.

SPECIALISTS

in the manufacture of SYNTHETIC Products for the Perfumery Trade.

Flor. Oils. Pharmaceutical Oils. Chemicals.

LARGE STOCKS IN LONDON.

Apply for Price List to—

GERALD BROMAGE & CO., 9-10 Foster Lane, E.C. 2

Telephone: CITY 4719

ROURE BERTRAND FILS, GRASSE. *Established 1820.*

LAVENDER (French), SPIKE LAVENDER (French and Spanish)

NEROLI, GERANIUM (African and Bourbon), SANDALWOOD, PETITGRAIN (French and American), VETIVER (Java and Reunion), ROSEMARY, BOIS DE ROSE FEMELLE, YLANG, &c.

ORRIS CONCRETE and LIQUID.

ESSENCES, SOLIDES and LIQUIDS from flowers. RESINOIDS and POMADES.

We have Stocks in London of the most important Essential Oils and Perfumery Products.

JUSTIN DUPONT, Argenteuil (S. & O.), France

Makers of SYNTHETIC PERFUMES

and some of the finest original odours extant, for Sachets, &c.

SOLE AGENTS FOR THE UNITED KINGDOM:

STEPHENS BROTHERS & CO., Offices: 13a FINSBURY SQUARE, LONDON, E.C. 2 Warehouse: 3/4 MALLOW STREET, OLD STREET, LONDON, E.C. 1.

Wholesale Houses only supplied.

CHLOROPHYLL C.

Fast to Light and Acid—Absolutely Pure. Guaranteed to be of uniform concentration and shade, and to give an entirely clear solution.

The Sandoz Chemical Co., Ltd. - - Bradford.

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Telegraphic Address:
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ESSENTIAL OILS
Synthetic Chemicals
Natural Flower Oils
Artificial Flower Oils
MUSK. AMBERGRIS.
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All Indian Essential Oils

Telephone:
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Sole European Agent to
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Sole Agent in U.K. to
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Zaandam, Holland,
AND
DITTA MARIO DE
PASQUALE, Messina.

26-27 Hatton Garden - - LONDON, E.C. 1.
And at 29 CORPORATION STREET, MANCHESTER.

2

RUVOIRE ET CIE

MANCHESTER & ANTIBES.

High-class Concentrated Perfumes made with some of the finest flower oils from the South of France, in high-class rod-stoppered hexagon bottles with gold seals.

ODOURS—

PARMA VIOLET. SWEET PEA.
WHITE ROSE. WHITE LILAC.
WALLFLOWER. LILY OF THE VALLEY.

FREE FROM SPIRIT.

Above combination mounted on artistic card, displaying One Dozen Bottles.

A very attractive and good Selling Line.

APPLY— A. M. EVANS,
154 CHURCH LANE, HARPURHEY
MANCHESTER.

Shipkoff's Pure Otto of Rose

Nature ordained that Otto of Rose should have certain chemical and physical contents. Fakers design rose oils having the same contents, but they are not *Otto of Rose.*

Shipkoff's Otto of Rose is Nature's Otto.

Before placing your contract be sure to get Shipkoff's sample and price, and try it. Original Sample Coppers in 1, 2 & 4-oz. sizes.

ONCE TRIED—ALWAYS USED.

Highest Awards at all Universal Expositions, including Four Grand Prizes.

Shipkoff & Co., Kazanlik, Bulgaria.

Branch Office in Sofia.

Model Steam Factories in Kazanlik, Kalofer, Kerlovo and Rahmenlari. London Depot—

G. P. & J. BAKER, LTD., 5 Giltspur St., Newgate St., E.C. 1.

MUSK GENUINE INDIAN

SPOT DELIVERY.
Price on Application.

RAOUL FRÈRES

Drug and Chemical Manufacturers,

6 HOLBORN VIADUCT, LONDON, E.C. 1.

CHEMICAL WORKS ROERMOND

AROMATIC CHEMICALS
SYNTHETIC PERFUMES
FLOWER OILS –
ESSENTIAL OILS
ARTIF. MUSKS –

"RACO" FLOWER OILS
COMPOUNDS
CONCENTRATED ESSENCES
for Perfuming Toilet and Cosmetic Preparations.

To be used by every Chemist. Simplest and easiest!

The use of our essences of unequalled delicacy gives
QUALITY AND DISTINCTION TO YOUR PRODUCTS.

Please send for samples to prove our essences and to convince you of their great superiority.

Samples and expert advice for practical working will be furnished promptly on request.

H. RAAB & CO.

ROERMOND HOLLAND.

Represented by—

ALFRED PAUL WHITE,
5 WATER LANE, GREAT TOWER STREET,
LONDON, E.C.3.

QUICK–SELLING and HIGH–CLASS

TOILET SPECIALITIES

In order to introduce these, we offer to send, Carriage Paid, one case containing one of each of the following:

	Retail	Wholesale
Adiantine Hair Wash	1/3	9/6 doz.
Bath Crystals - -	2/6	21/- "
Brilliantine Concrete -	1/-	8/- "
"Boralia" Coconut Oil Brilliantine -	1/-	8/- "
"Boralia" Tooth Paste	1/-	7/6 "
Creme de Venice -	1/6	11/6 "
Caressa Powder "Poudre de Riz"	1/-	7/- "
Caressa Powder -	1/6	10/6 "
Caressa Powder Solide (with Puff) - -	1/-	7/6 doz.
"Boralia" Shampoo, 2-oz.	1/-	8/- "
"Boralia" Shampoo, 4-oz.	1/6	12/6 "
Arctic Shampoo - -	1/-	8/- "
Arctic Shampoo - -	1/9	14/- "
Talcum Powder - -	7½d.	5/- "
Cream of Lilies - -	1/-	7/- "
Bloom of Roses - -	6d.	4/- "

BEAUTIFUL SHOWCARDS of the principal lines are included. Each article is got up in good style and the quality is of the very best.

COST - 12/5 ***RESULT - 19/1½***

POTTER & CLARKE, LTD.

60, 62, 64 Artillery Lane – – LONDON, E. 1.

And at 24 Luna Street, Great Ancoats, MANCHESTER.

"RIVERA"

VICTORY BOUQUET TOILET SOAP.

Holds the Premier place in Beauty's Court, and charms the most fastidious customer.

Wholesale	*Retail*
60/- per gross tablets. (12 tab. boxes).	**7d.** per tablet.

Usual terms.

If you do not stock it, send a Trial Order without delay.

EDWARD COOK & CO., LTD., *Soap Specialists,*
BOW, LONDON, E. 3.

This window display with show-cards, show-outers, transparencies and handbills is supplied FREE with orders to the value of £5 or more from May 1st onwards.

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EVANS SONS LESCHER & WEBB LTD.
LIVERPOOL ∵ New York ∵ LONDON

Where Quality Reigns Supreme

OUR WEEKLY MESSAGE.

Because our goods have merit; because they are made by large and reputable firms, and because we cater for a trade we know and understand, we are daily strengthening our present clientèle and are daily making new friends.

* * *

If you don't know our lines, will you give us a chance of explaining them.

Daily making new friends because of its goodness and beauty.

POUDRE DE LUZY

P.A.T.A.

10½d. 1/9 3/6

In distinguished display boxes.

Discount 33⅓%

BONUS TERMS BETTER.

FREE 10½d. box and tariff to any Chemist unacquainted with DE LUZY.

Paul Poiret's

ROSINE PERFUMES

THE SPEEDY WAY TO LARGER PROFITS.

The profit on a single sale is often £1 or more. Many Chemists sell over £250 of these lines in a year.

Illustrated—

PIERROT

27/6 retail.

Trial Tubes

1/- retail.

Less 33⅓%

Write for full set of coloured illustrations and sales proposition.

W·H·CALNAN & Co LTD.

30-32 LUDGATE HILL, LONDON.E.C.4.

EVAN WILLIAM'S
ORIGINAL
Henna
Shampoo

Your Customers will insist on the
Evan Williams'
HENNA
SHAMPOO
having been taught by experience. Are you ready to meet their demands? Stock moves freely at a handsome profit.

Full particulars are included in The SHAMPOO SALESMAN, which is sent free on request.

The EVAN WILLIAMS CO., LTD.,
18 & 18a, Opie St., Foley St., London, W.1.

Mr. Geo. R. Sims' "Tatcho" and "Tatcho-tone."
A big vigorous, impressive advertising campaign, covering the whole of the British Isles, is now being pursued. A vastly increased volume of business is inevitable. Generous profit to the trade has been arranged.

TATCHO
THE HAIR GROWER
Price 2/9
Wholesale: 26/- PER DOZEN.

TATCHO-TONE
FOR GREY HAIR
Price 4/6
Wholesale: 42/- PER DOZEN.

GEO. R. SIMS' HAIR RESTORER CO.
5 Great Queen St., Kingsway, LONDON, W.C.2.

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ODO-RO-NO
TRADE MARK REG. U.S. PAT. OFF.

THE ANTI-DRESS SHIELD TOILET WATER

Effectively corrects excessive perspiration.
Sales still increasing. Write for display terms.

Distributing Agents:
The American Drug Supply Co.
6 Northumberland Avenue,
LONDON, W.C.2.

Obtainable from all Wholesalers.

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PAPIER POUDRÉ

Trade Marks

"LEHCARESOR."

Papier Poudré

British Made Goods.

Beware of Spurious Imitations

Note our Trade Marks.

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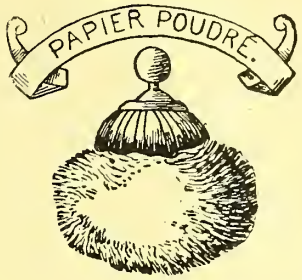


PAPIER POUDRÉ, LTD.,
46 Baker St., Portman Sq., London, W.1.
and in Paris.

WHITE, ROSE or RACHEL Tints, 4d., 6d., 8d. and 1/4 size Booklets, 2/8, 3/9, 5/- and 10/- per dozen net, respectively.

SUNBURN TINT, 8d. & 1/4 sizes only, 5/- & 10/- per doz. net.

REFILLS to Mirror Cases in White, Rose or Rachel ... ... **2/8** per doz. net.
8d. SHAVING PADS, for Use after Shaving (unscented). White only ... **5/-** per doz. net.

POPPŒA ROUGE

A most popular line. (Regd.)

Made in booklet form. One size only, viz. **1/–**, at **8/–** per dozen net.
Mirror Cases 1/4 at **10/–** per doz. **Refills** for same **6d.**, at **3/9** per doz. net.

NOTICE TO THE TRADE.—As supplies of material have now reached a state of normal condition we are in the position of being able to execute all orders.

PAPIER POUDRÉ, Ltd., 46 BAKER STREET, PORTMAN SQ., LONDON, W.1

Telegrams—"Porous London."
Codes—A B C, 5th Edition.
Telephone—City 69:0 (2 lines).

104 & 106 GOLDEN LANE,
LONDON, E.C. 1.

Dear Sir,

Re Antiseptic Toilet and Baby Powder, J. & J.

To gain the confidence of your customers is the keynote to SUCCESS. You are SAFE in recommending this powder; it has many rivals but no equal. BEST FOR TOILET, BEST FOR NURSERY. It will bring customers back to your Pharmacy over and over again for more, the QUALITY compels this, and that is what is wanted. Moreover, the customers' presence offers the opportunity to sell them something else.

Yours faithfully,

JOHN TIMPSON & CO., LTD.

Agents for JOHNSON & JOHNSON.

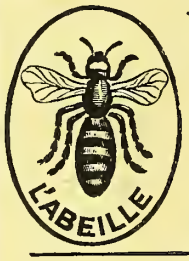
G. B. KENT & SONS, LTD.

Are known the World over as the Largest Manufacturers of

BEST BRITISH BRUSHES

Please write for full Particulars to—

75 Farringdon Road, E.C. 1.



White Castile Soap
72 %
Green Olive Oil Soap
72 %
Guaranteed Pure and Neutral

Manufactured by
HONORÉ COURT DE PAYEN,
MARSEILLES. Established 1750.

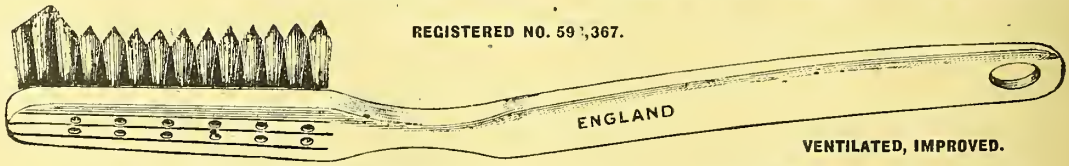
Sole Distributing Agents for U.K.:
SOUTH LONDON MANUFACTURING COMPANY, LIMITED,
90 & 92 Clapham Park Road, S.W. 4.
Telephone: BRIXTON 2770.
DISTRICT REPRESENTATIVES WANTED.

ROBERT ADDIS & SON,

— Tooth Brush Manufacturers, —
London Brush Works, London Fields, E.8.

The "ASEPTIC" or "PROPHYLACTIC."

When not in use, a Tooth Brush should not be allowed to remain wet, or it becomes offensive. The advantage of this Brush is—it can be hung up to drain, allowing the air to dry and purify it.



To be obtained from Wholesale Houses. Packed in cartons, facilitates sales and ensures brush reaching user in clean and antiseptic condition.

Parfumerie *Paris*

Bourjois

Poudre de Riz de Java

No. 45
10/- per doz.

P.A.T.A.
1/3 per box.

No. 45.

No. 495.
7/- per doz.

P.A.T.A.
10½d. per box.

A. Bourjois & Cie, Ltd., 66 Carter Lane, London, E.C. 4.

Also manufacturers of the celebrated "ASHES OF ROSES," No. 2, 15/- per doz.; P.A.T.A. 1/9 per box.

LINES THAT SHOW GOOD PROFITS.

Taylor's Cimolite Preparations.

50 YEARS' REPUTATION.

Of exquisite daintiness and purity. For many years extensively used by the highest families, both as Toilet and Nursery requisites, and supplied regularly to a wide clientèle of Royal and Noble families.

CIMOLITE TOILET POWDER.
Boxes, 1/1½ (per doz. 9/6)
Tins, 3/-, 5/6, 11/- (per doz. 27/-, 49/3, 96/-)
Bottles, 3/3, 6/6 (per doz. 30/-, 55/6)

CIMOLITE TOILET CREAM.
Collapsible tubes, 1/3 (per doz. 11/6)

CIMOLITE SOAP.
Per tablet, 8d.; per box, 2/- (per doz. 3 tab. boxes, 20/-)

CIMOLITE FACE POWDER.
Boxes, 1/1½ (per doz., 9/6)
Tins, 3/- (per doz. 27/-)
Bottles, 3/3 (per doz. 30/-)

CIMOLITE SOAP (Violet-Scented)
Per tablet, 8d; per box, 2/- (per doz. 3-tab. boxes, 20/-).

CIMOLITE SHAVING SOAP.
Sticks, 1/3 (per doz., 11/6)

SHOWCARDS and Counter Bills on application.

Cimolite Preparations are stocked by all wholesale houses.

PREPARED ONLY BY

JOHN TAYLOR, Manufacturing Chemist,
30 BAKER STREET, PORTMAN SQ., LONDON, W.1.

Big Profits, & It's Well Advertised

SILKODONO
for the HAIR & SCALP

SILKODONO Advertising has just been largely increased and Big Spring Business is assured to all who stock and show this wonderfully successful Hair Preparation. Thousands of the Public have sent for Free Samples and proved to their entire satisfaction the value of Silkodono both as a Hair remedy as well as a Dressing. It only remains with you to meet the demand and order your supplies to participate in the profitable Silkodono sales.

To aid you in your distribution we supply, FREE, Dummy Cartons, Beautiful Showcards, printed in 14 colours, for Window and Counter Display, and also Attractive Handbills on which we print your own name and address.

WHOLESALE PRICES.

1/6 Size	2/6 Size	4/6 Size
12/- per doz.	**20/- per doz.**	**36/- per doz.**

With Special Bonus Offer for May—two bottles with the dozen.

Provincial orders for 3 dozen and upwards, carriage paid. Orders for 1 dozen or less, carriage forward. Economy in carriage of small orders can be effected by ordering through your Wholesale House.

SILKS' TOILET CO.

8-9 Red Lion St., Holborn, London, W.C.1

Telephone: Holb. 3095.
Telegrams: "Silporanob, Holb, London."

"We need hardly state that since the display our sales have shown a remarkable increase." March 31, 1921.

"The Display is very effective, so much so, that I enclose urgent order—very urgent, I should say." March 23, 1921.

"Sales good and improved by show - but Eucryl always sells." April 8, 1921.

"My display has created quite an unprecedented demand for your preparations." April 8, 1921.

The Successful Chemists

who wrote the above lines are increasing their sales and their profits. They are handling a regular stock line which has constantly, year in and year out, given handsome profits, and they are after the big prizes. You can obtain the same results.

Write giving the approximate date of your display and the measurements of your window

Have you entered yet for the

EUCRYL WINDOW DISPLAY COMPETITION?

For Chemists only.

Over 300 guineas in prizes.

Competition closes June 30.

THERE ARE NO CONDITIONS.

No order is necessary, but an attractive and original display will move your stocks rapidly and you will write us as other customers are writing us:—"THIS ORDER IS URGENT — VERY URGENT, I SHOULD SAY."

We guarantee the quality of **EUCRYL TOOTH POWDER AND PASTE,** and we also guarantee our customers against a fall in prices. Write for particulars of our guarantee, also prices and bonus terms.

EUCRYL Ltd., SHIRLEY, SOUTHAMPTON.

Enolin

TOOTH PASTE

TRADE COMPETITION

Commencing 15th April, 1921—Ending 15th July, 1921.

NO ENTRANCE FEE.

Open to all Pharmacists and Drug Store Keepers (only) in the United Kingdom.

£575 in Cash Prizes

As per Particulars hereunder—

1st Prize, £250 Cash

2nd PRIZE, £100 CASH.
3rd PRIZE, £50 CASH.
4th PRIZE, £25 CASH.
10 PRIZES of £10 each.
50 PRIZES of £1 each.

SPECIAL OFFER—Every Registered Entrant who sends us remittances with his orders during the Competition will receive, at the close of same, a parcel containing—

1 doz. 3½d. pkts. of Enolin Hair Powder for Dry Shampoo.
1 doz. 3½d. pkts. of Enolin Hair Powder for Wet Shampoo.
½ doz. 7½d. tins of Enolin Tooth Powder.
¼ doz. 1/3 tins of Enolin Tooth Powder.

Value 14/6, Carriage Paid.

This Trade Competition is to run concurrently and in conjunction with a Public Competition commencing 15th April, 1921, full details of which will be extensively promulgated through the medium of the Daily Press.

ONLY CONDITION OF ENTRY.

Signify your willingness to exhibit the Enolin Competition Bill in your window, or other prominent position in your establishment, by writing us to this effect. Directly your letter is received an acknowledgment of Registration will be forwarded to you, which please preserve until the close of the Competition.

N.B. (We reserve to ourselves the right to refuse registration in those cases where we have reasonable grounds for objection.) All orders from "New Accounts" must be accompanied by Cash or usual Trade references.

The First Prize will be awarded to the Registered Entrant whose name appears on the card winning the First Prize in the Public Competition. In the absence of such name on this card, the First Prize will be awarded to the Registered Entrant whose name appears on the card giving the nearest solution to the correct one. The Second and other Prizes will be awarded in the same manner in strict rotation. If, for example, the First, Second and Third Prizes of the Public Competition were won by persons not having sent their attempts on cards bearing a Registered Entrant's name, and the Fourth had, the Fourth would correspond to the First Trade Prize.

It will thus be readily understood that all Prizes must be won.

The Allocation of Prizes. This service will be carried out on our behalf by an eminent firm of Chartered Accountants, whose decision shall be final and binding on all entrants, and no correspondence can be entered into regarding the competition.

A list of the Trade Prize Winners will appear in the *Chemist & Druggist* and in the *Pharmaceutical Journal* on the 30th July, 1921.

All orders received from Registered Entrants for the duration of the Competition will be supplied with ENOLIN Competition Cards, in the proportion of one card to each large tube and one card for every two small tubes.

For every large tube of ENOLIN sold (or for every two of the small size) a card should, in your own interests, be handed to the purchaser after having filled your name and address in the space reserved for it.

It will thus be obvious that the more cards you distribute (*bearing your name and address*) the more chances you have of securing one or more valuable prizes.

Orders will be executed in strict rotation.

THE PRIZES IN THE PUBLIC COMPETITION ARE—

1st PRIZE Value £2750
(A 35-h.p. Lancia Motor Car and £500 Cash.)

2nd PRIZE	....	£1000 Cash
3rd „	....	£250 „
4th „	....	£100 „
5th „	....	£50 „
6th PRIZE	....	£25 Cash
7th „	....	£10 „
8th „	....	£5 „

150 PRIZES of £1 each
and 3000 Toilet Requisites Prizes, value 4/3 post free.

A. & E. CARRERAS, 207 King St., Hammersmith, London, W.6.

To Health!
KOH-I-NOOR
The Ideal Tooth Brush
Here it is——the Brush that makes a daily duty downright pleasureful!
KOH-I-NOOR, that's the name of a REAL Brush, thoroughly constructed from the best of materials—a clean, "hygienic-looking" article that's going to clean your teeth better by penetrating into the tiniest crevice—it's going to preserve them, too, by not damaging the delicate enamel in the slightest degree.
Look at the bristles—handle them, they're smooth but not soft, they're firm but not harsh. And see how they are buried deep down in the shaft with "rock-like" fixedness. It's a one-piece brush
3
2
1
KOH-I-NOOR
The Ideal Tooth Brush
Your teeth need cleaning—not merely brushing. They're good enough to demand the best of Brushes that gets right down into the tiniest crevice and does its work pleasingly
It costs no more to say
KOH-I-NOOR
The Ideal Tooth Brush
and what a difference it makes to the Brush you receive!
THIS KOH-I-NOOR BRUSH HAS BEEN
The Guide to Safety.
KOH-I-NOOR
The Ideal Tooth
This KOH-I-NOOR will be as effecti
on the day you buy. It is built on
better way. Always smooth, but neve
guaranteed Tooth Brush which is
made in six sizes and distincti
KOH-I-NOOR
The Ideal Tooth Brush
You need NOW a Brush for your teeth that's taut enough to clean effici
scratching—that's pleasant to use—that retains its smoothness withou
sliminess, that fulfils the duties of a first rate brush made for t
KOH-I-NOOR is made in six sizes and distinctive colou
qualities, at 2/6 and 3/- per brush.
the leading Chemists and Stores
ADVERTISEM
WHICH TELL
KOH-I-NOOR ST
AN INTERESTI
CONVINCING

THREE MILLION TOOTH-BRUSH BUYERS WILL SEE THESE ADVERTISE-MENTS.

50% Profit on Cost

ON THE P.A.T.A.

	No. 522	523	519 (child's)
WHOLESALE, PER DOZ. - -	20/-	23/6	12/-
RETAIL PRICE, EACH - -	2/6	3/-	1/6

YOUR PROFITS GUARANTEED.

AN attractive Counter Display Stand is supplied free with orders for three dozen and upwards.

It will remind probable purchasers of the "advertisement-recently-seen-in-their-favourite-paper" and will help to complete the sale.

If you require a toothbrush that you can recommend with confidence order the KOH-I-NOOR.

STOCKED BY ALL WHOLESALE DRUGGISTS' SUNDRIESMEN.

PESSIMISM
v.
PLUCK

AT the moment the Man-who-fears-the-Worst is somewhat prevalent in certain phases of business, but happily his evil influence is evanescent. The success of the British Empire is largely dependent on the fact that we never recognise defeat.

The ordinary business man knew perfectly well that reaction from unhealthy commercial conditions immediately following the Armistice was inevitable. Now that reaction has come, the real man of grit does not sit down and wait for things to happen.

He gets up and looks around for new markets, lays careful plans of campaign and starts fresh schemes. He takes no chances. There is business—plenty of it for the next ten years at least—waiting for him. He knows this and he is going to make sure of it NOW.

That is why the manufacturer, the exporter, the wholesaler and the retailer of drugs, chemicals, perfumery and allied products welcome so reliable a business-bringer as the

ANNUAL SPECIAL ISSUE *of* THE CHEMIST & DRUGGIST

Experience has proved that publicity in such an Issue is the most effective and least expensive way of helping old customers and of finding new ones. Reasons are not far to seek, seeing that THE CHEMIST AND DRUGGIST is subscribed for regularly by the best and biggest buyers in the trades represented throughout the world. Good money is paid by our subscribers solely for the services our Journal only can give. No sentiment enters into the transaction.

So the ANNUAL SPECIAL ISSUE, to be published on

JUNE 25, 1921,

will be read through carefully from cover to cover, ***because our subscribers know that it will pay them to do so.***

If, therefore, you have not already given instructions for your advertising in that Issue, kindly let us know your requirements and we will quote you for space in the white paper pages or for insets on coloured paper. Address:

THE PUBLISHER, THE CHEMIST AND DRUGGIST, 42 CANNON STREET, LONDON, E.C.4.

Branch Offices:
MANCHESTER, England.
SYDNEY & MELBOURNE, Australia.

Further details in our "Special Issue" Booklet.

Royal Seal

NOTICE. At the request of many customers, and owing to the strike troubles, we are extending the time for sending in "Royal Seal" Coupons until JUNE 1st. The chemist sending us (properly filled in) the greatest number of coupons by this date will receive, in addition to their value of 6d. each, the sum of **FIVE POUNDS.**

JULES FRÈRES' GREAT HAIR RESTORER

Are *you* getting your share of "Royal Seal" business? Repeat orders are arriving every day from up-to-date chemists who know the value of advertising. G. B., of Manchester, writes: "There is a good demand for 'Royal Seal' here." First order of 1 dozen received from G. B., April 12th, repeated with double quantity April 19th. E. R. B., Manchester, ordered 1 dozen April 8th, sent for 3 dozen April 22nd. H. D. G., Willesden, first order April 16th, repeat April 21st. Repeat orders are coming in from all parts. Why not send 12/- for a trial dozen 1/6 jars, carriage paid. Showcards free, and free local Advts.

Jules Frères, Ltd., 154 Walworth Road, London, S.E.17

IS BOOMING

CHEAP PERFUME SPRAYS, PUMP SPRAYS, Best Cut Glass SPRAYS,
Large stock in various sizes.
All TOILET REQUISITES, COMBS, SWAN-DOWN PUFFS, ROUGE PADS, etc.
Samples & Quotations on demand.

PUFF MANUFACTURERS

PLEASE NOTE WE ARE
Sole Agents for **G. HAMBIS, POITIERS, France.**
Manufacturer of
SWAN & GEESE SKINS.

Grondard, Maisonneuve & Co., 47a Old Street, E.C. 1.
Tel. No.: City 6358.

Fanchette (Regd.)
LIQUID FACE POWDER

A Charming Toilet Preparation.

Selling Price, **2/6** per bottle.

Retailers, Less 33⅓ % Wholesalers, Less 33⅓ % & 20 %

MANUFACTURERS:
HARRIES, Fanchette Toilet Preparations
46 PARK CRESCENT MEWS WEST, W.1.

MOORLAND PHARMACY SERVICE

W.B. Cartwright, Ltd.

RAWDON ❖ NEAR ❖ LEEDS.

The Leading House of Ideas for Pharmacy.

Offer an unique service to both manufacturers and retailers who require advice and assistance upon matters relative to advertising and selling.

We invite correspondence with manufacturers of really High-class Preparations, Toilet Specialities, Perfumery or Sundries, provided they are lines that will not clash with our present interests.

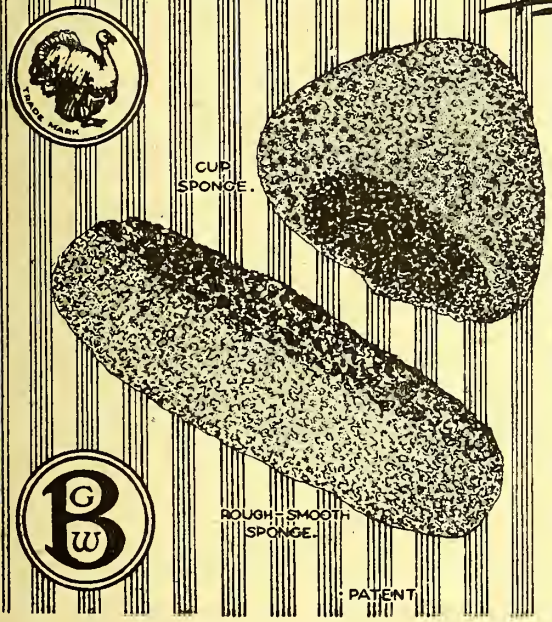
We are in an unique position to give you the best provided your lines are such as we can have confidence in.

Advertising must be well done to be effective—there is nothing upon which you can waste more money than ineffective publicity. If you have ***the*** line we can create ***the*** market for you.

ADDRESS
PUBLICITY DEPT.

MOORLAND
PHARMACY SERVICE

Choose the Best Quality!



BELDAM
PURE RUBBER "TURKEY"
SPONGES

Made from the best red rubber, of a fine soft texture, which resists wear much better than the coarser varieties. The ordinary sponge is made in five sizes; the patent Rough-Smooth in three sizes; and the Turkey Cup in one size only.

Unaffected by boiling water, or strong disinfectants, they are the perfect sponge.

Write for full price list.

Sole Selling Agents

• MOORLAND •
PHARMACY SERVICE
W·B·CARTWRIGHT LTD.
• RAWDON Nr LEEDS •

A Message to Retailers.

No. 5

Never stock goods which *eat up* your capital.

Specialise in lines that clear your shelves quickly.

Order the goods the public want—the goods they know about—the goods that the manufacturer, by steady advertisement, has made popular on their merits, before they reach you for distribution.

The manufacturer has spent large sums of money to familiarise the public with the qualities of his product. He invites *you* to reap the benefit.

Articles of nameless make may lie on your shelves for months or for years. They are the lines that *eat up* your capital.

Compare these with the quick-selling lines advertised in the DAILY MAIL. They sell themselves. They make new capital for you daily.

Over one million and a quarter people *buy* the DAILY MAIL every morning. Ask yourself, how many read it?

More important still, ask every traveller if the goods he offers are advertised in the DAILY MAIL. If they are, you are safe to buy—if not, don't waste your shelf-space on them.

CARMELITE HOUSE,
LONDON, E.C.4.

IT STANDS TO REASON THAT, ACTING FOR PRACTICALLY ALL THE WHOLESALE TRADE,

The Association of Manufacturing Chemists, Limited,

HOLDS THE UNRIVALLED POSITION OF BEING ABLE TO RENDER THE FINEST POSSIBLE SERVICE IN RELATION TO

The Collection of Accounts
Status Enquiries.
Investigations.
Valuations.
Sale of Businesses.

(FACTS THAT MATTER)

IT HAS AGENTS IN EVERY TOWN in the UNITED KINGDOM,
IT OWNS THE MOST UP-TO-DATE RECORDS,
AND ITS DIRECTORS ARE CONNECTED WITH THE LEADING MANUFACTURING CHEMISTS.

A VERY LARGE FIRM WRITES: "We strongly advise every business firm placing their accounts in your hands for collection. THE RESULT will ASTONISH them."

WRITE TO-DAY FOR PROSPECTUS, and by joining, you will make your BAD DEBT LEDGER a relic of the past.

PRINCIPAL - PARKIN S. BOOTH,

The Trade Protection's "Live Wire," as the 'C. & D.' describes him.

26, 27, 28 KIMBERLEY HOUSE, HOLBORN VIA., LONDON, E.C.1.
Telephone No. City 6942 *(2 Lines)*
Telegraphic Address: "*Asmanist, Cent, London.*"

35, 36, 37 EXCHANGE CHAMBERS, BIXTETH STREET, LIVERPOOL.
Telephone; Central 4330 *(4 Lines)*
Telegrams; "*Quorum Liverpool*"

Silent Salesmen that sell the goods.

EACH post brings us letters of appreciation from Pharmacists who, as the result of exhibiting our new series of handsome Showcards, are doing record business in Sanatogen, Formamint, and Genasprin.

At the request of our friends in the trade we have secured fresh supplies of these business-bringing Showcards, and will gladly send you any or all of them.

HANDSOME SHOWCARDS

Sent Post Free.

Write to-day for our new series of SANATOGEN, FORMAMINT & GENASPRIN Showcards.

Are your stocks of Sanatogen, Formamint, and Genasprin sufficient to meet the increased demand. If not, replenish now, don't risk disappointing your customers through being "out of stock."

Please address all enquiries to

GENATOSAN LIMITED (Advt. Dept.)

MAKERS OF

SANATOGEN, FORMAMINT & GENASPRIN

12 Chenies Street, London, W.C. 1.

Maltine

The word "MALTINE" is our registered Trade Mark. In prescribing kindly specify "MALTINE COMPANY."

From the *MEDICAL TIMES.*

INFANTS FED ON MODIFIED MILK

By THOMAS DUTTON, M.D., M.R.C.P., L.R.C.S.

". . . . experience shows that 'MALTINE' prevents the coarse curdling of the casein of milk, that it is slightly laxative, and it provides the needful sugar."

The following case is a good example of feeding with COWS' MILK, modified with "MALTINE":

"The mother showed signs of weakness and pronounced anæmia. I recommended the child to be at once weaned and fed on milk modified with 'MALTINE' as prescribed. The babe lost weight the first few days, but afterwards gradually increased in weight; the bowels, which had been very constipated, became natural without any purgative medicine, and he was quite contented with the food given. Now, after six months, he is in excellent condition, and may be looked upon as a show baby."

When breast-milk is not possible, the "MALTINE Formula" for modifying Cows' Milk produces a perfect food for infants, and the most delicate thrive upon it.

The Maltine Formula Booklet will be sent gratis on receipt of postcard.

THE MALTINE MFG. CO., LTD., 183 ACTON VALE, LONDON, W.

APENTA

The Best Natural Aperient Water.

For the Treatment of

Biliousness, Hepatic Disorders, Gouty Conditions, and Habitual Constipation.

Minimum Retail Prices: **2/6, 2/-, 1/-** - *To the* Retailer: Doz., **24/-, 18/-, 9/-**

APENTA

Write for Particulars.

The APOLLINARIS Company, Ltd., 4 Stratford Place, London, W. 1.

COMBS

LADIES' DRESSING COMBS.

No.		Size.	Per Doz.
103	Black celluloid	7 × 1½″	6/6
171	White ,, ...	7 × 1½″	6/6
102	Black ,, ...	8 × 1¾″	7/6
101	White ,, ...	8 × 1¾″	7/6
121	Black ,, ...	7½ × 1¼″	8/6
222	White ,, ...	7¼ × 1½″	8/6
118	Black vulcanite	8 × 1¾″	10/0
116	Shell celluloid	7½ × 1¼″	12/0
166	White ,, ...	7½ × 1½″	12/0
187	Black ,, ...	7½ × 1½″	15/0
195	,, vulcanite	8 × 1¾″	15/0
107	,, celluloid	8 × 1¾″	20/0
106	White ,, ...	8 × 1¾″	24/0

GENTS' COMBS.

165	Black celluloid	6½ × 7/8″	6/6
144	Black vulcanite	7 × 1″	7/6
143	Black ,, stout ...	7 × 1″	8/6
241	Horn	7 × 1″	9/6

LADIES' RAKE COMBS.

No.		Size.	Per Doz.
223	Black celluloid	8 × 1¾″	8/0
224	White ,, ...	8 × 1¾″	8/0
167	White ,, ...	6 × 1¼″	8/6
119	Black ,, ...	8 × 1½″	10/6
196	,, vulcanite	8 × 1¾″	15/0
115	White celluloid	7½ × 1¾″	15/0
117	,, ,, ...	7½ × 1½″	18/0
174	,, ,, ...	8 × 1¾″	24/0
189	Black ,, ...	8 × 1¾″	24/0

LADIES' HANDLE COMBS.

104	Black celluloid	8 × 1″	15/0
105	White ,, ...	8 × 1″	15/0
216	Black vulcanite	8½ × 1¾″	24/0

SMALL TOOTH COMBS.

239	White celluloid	3 × 1¾″	4/6
151	,, ,, ...	3½ × 1⅞″	5/6
192	Black vulcanite	3 × 1¾″	7/6
202	Black ,, ...	3½ × 2″	9/0

A discount of 5% for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Write for illustrated PRICE LIST, post free for the asking.

BURGE, WARREN & RIDGLEY, Ltd.

91 & 92 GREAT SAFFRON HILL——LONDON, E.C.1.

Apology.

To The Chesebrough Manufacturing Company

42 Holborn Viaduct, E.C.1.

"Vaseline"

Trade Mark Registered.

INFRINGEMENT *of* REGISTERED TRADE MARK.

WE, the undersigned, carrying on business at hereby admit having infringed the rights of the Chesebrough Manufacturing Company Consolidated of New York and London under their registered Trade Mark "Vaseline" by selling a petroleum jelly not of their manufacture under that name.

We express our deep regret for having done so and for any injury the Company may have sustained by reason of such infringement.

We hereby undertake not to further infringe the said Trade Mark, to pay the sum of £20 in respect of costs which the Chesebrough Manufacturing Company have been put to in connection with the matter.

We further agree to return all labels and stock on hand of the goods complained of by the Company, to send a circular to all our customers as arranged, and so far as possible to recall all the goods complained of and to replace the same by genuine goods.

Dated the 22nd day of April, 1921.

(Signed)

Witness.....

N.B.—**The Chesebrough Manufacturing Company** having no desire to do the infringers any unnecessary damage, agree, at their special request, not to publish their names which appear in the original Apology, and can be seen on application at the Company's Offices, **42 Holborn Viaduct, E.C.1.**

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - A complexion soap.	10/-	1/-
PROLACTUM - - For the lips.	10/-	1/-
PARSIDIUM JELLY For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM - - A hair tonic.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
COLLIANDUM - - For a face tint.	22/6	2/6
PERGOL - - - A deodorant.	22/6	2/6
STALLAX - - - For a shampoo.	22/6	2/6
JETTALINE - - For clearing the skin.	31/6	3/6
PHEMINOL - - A depilatory.	36/-	4/-
MENNALINE - - For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	31/6	3/6
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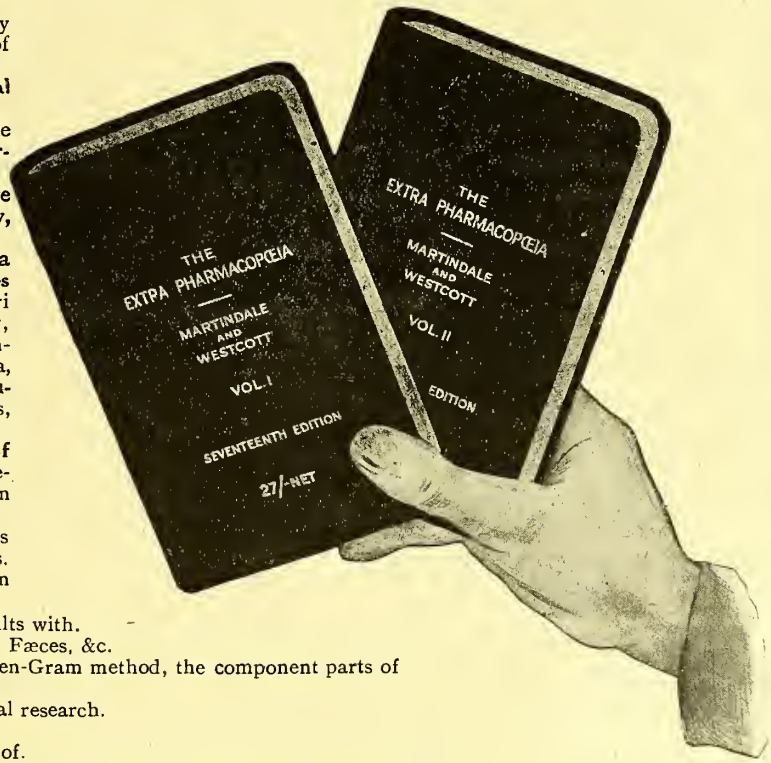

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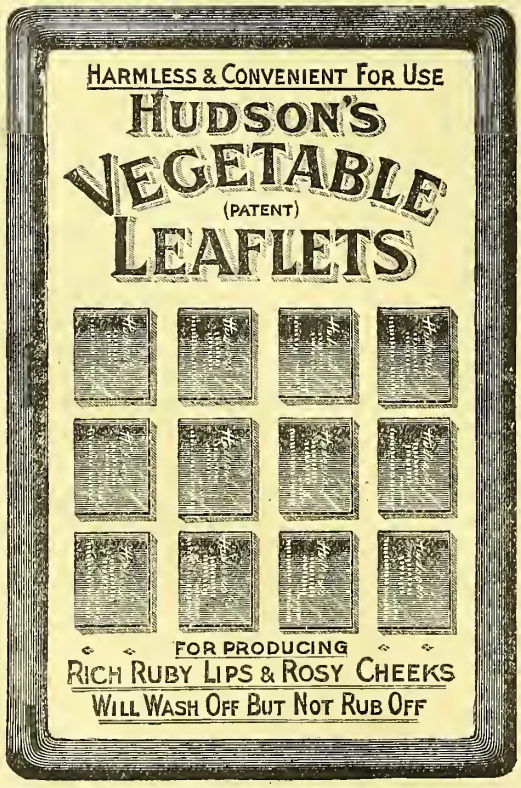

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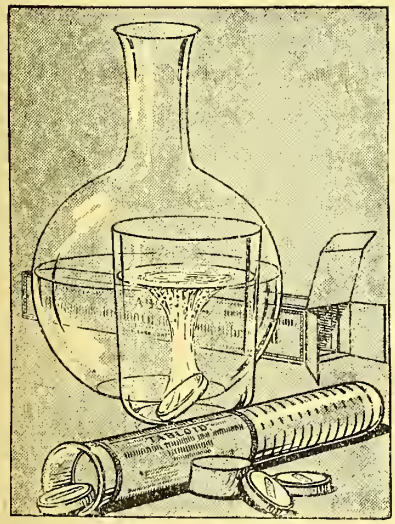

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A NUESTROS LECTORES ESPAÑOLES.

Siendonos enterados de que ha sido en España siempre una preferencia para generos fabricados en la Gran Bretaña, el objeto persistente de The Chemist and Druggist ha sido de poner en comunicación directa los fabricantes de la Gran Bretaña de productos químicos, drogas, galenicas, perfumerías y accesorios, con los compradores españoles. Por otra parte, nuestro journal está muy buscado por los comerciantes y fabricantes españoles para ayudarles en conseguir un mercado para sus productos en este país y las colonias británicas, y en este respecto, nuestres recursos únicos se ponen francamente á la disposición de nuestros lectores españoles.

El enorme volumen del comercio Anglo-Español se indica por el hecho de que las exportaciones de España al Reino Unido mostraron un aumento de 160% en 1920 comparado con el año 1913, y las exportaciones del Reino Unido á España muestran un aumento de 146% durante el mismo periodo. Las siguientes cifras muestran las importaciones respectivas de los dos países:

Exportaciones de España al Reino Unido.

1913	1919	1920
£15,975,631.	£39,010,162.	£42,549,171.

Exportaciones del Reino Unido á España.

1913	1919	1920
£9,724,629.	£12,668,026.	£23,164,832.

Productos farmacéuticos de toda clase, así como también químicos gruesos, están suministrados en gran escalá á España del Reino Unido, y como prueba adicional que los productos españoles en el Reino Unido han sido siempre considerados muy favorablemente, hacemos observar que la mayor parte de las 42½ millones esterlinas importadas en el año pasado, consistieron de cereales, vinos, fruta, aceite de olivas, almendras, azafrán, drogas crudas tales como cornezuelo de centeno (ergot), regaliz (raíz y extracto), estramonio, acónito, etc., y muchos aceites esenciales. También se aumenta la exportación del crémor de tártaro, de España, y entre los metales, lo principal es el mercurio.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts.

The following tenders have been accepted by the bodies named:

Barnsley Education Committee.—Mr. W. A. Bellamy, chemist and druggist, drugs, etc.

Cardiff Mental Hospital.—Mr. G. Thomas, chemist and druggist, drugs; Ferris & Co., Ltd., Bristol, sundries.

Business Names Registration Act Application.

At Marylebone County Court, London, on April 21, a barrister applied for relief under Section 8 (2) of the Business Names Registration Act, 1916. He said that the company for which he appeared was not registered under the Act, and now sought relief in order to be able to sue for the sum of 64*l*. in respect of cheques representing a series of business transactions. He had made an application in the High Court, and had been referred to the County Court; and his contention was that his honour (Sir Walworth Roberts) had power to deal with the matter as if the action had been commenced in that Court. He was of opinion that the High Court might entertain an application for general relief; but he could not so apply in this action, because it did not exist in the High Court. After hearing the argument, the judge said that he could not construe the Act in the way counsel had asked, and must therefore refuse the application. Leave to appeal was granted.

An Enthusiastic Conference.

A special conference, or "convention," of members of the selling organisation of the National Cash Register Co., Ltd., was held at the Savoy Hotel, London, W.C. 2, on April 20, 21, and 22. The conference was presided over by Mr. Frederick B. Patterson, a Vice-President of the company and son of its founder, ably supported in the general conduct of the programme by Mr. H. C. Banwell, the company's manager in London, Mr. Farman, and others. No more striking object-lesson in the importance now attached to well-planned and systematically worked out salesmanship has, it is safe to say, ever been given in this country. By means of lectures, addresses, playlets, pageants, and moving pictures, the latest ideas in selling were cumulatively rendered clear; and on the concluding day the enthusiasm of the members reached a pitch usually associated with politics. At the luncheon which ushered in the final proceedings over four hundred were present; the impeccable standard of the Savoy management rendered this a thoroughly enjoyable function, and at its close a cordial telegram from the founder of the company was read and a few brief and appropriate speeches were made. Some idea of the way in which the National Cash Register Co. thinks in millions was afforded by the exhibition of a film showing scenes from a convention held last year at Dayton, Ohio, where the selling, clerical, and mechanical staffs of the company forgathered at an expenditure of 250,000 dollars. Friendly wishes for the prosperity of British commerce were expressed at the Savoy Hotel, and these and other features should leave pleasant memories in the minds of all who were present at this remarkable gathering.

Poisonings.

The following cases of fatal poisoning have been recorded since our last report:

At Bradford, Emma Oates died from drinking a solution of ammonia in mistake for stout.

At Lingfield, Kate Banham, a nurse, committed suicide by taking morphine while of unsound mind.

At Camden Town, London, N.W., Caroline V. Llewellyn committed suicide by drinking spirit of salt.

At an inquest held at Eastbourne, on April 26, the death of Ernest Gordon Stroud, described as the son of a chemist in Barbados, was attributed to suicide by taking potassium cyanide while of unsound mind.

C C

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An inquest was held at Bewdley, recently, on the body of Kathleen E. Grears, Tanner's Hill, who, the evidence showed, had been accustomed to intensifying photographic films. The public analyst for Worcestershire stated that he had found a trace of uranium in the specimens sent him, and it appeared that some intensifier must have been swallowed. A verdict of "Death by misadventure" was returned.

An inquest was held at Exeter, on April 22, on the body of Mr. Robert Arthur Poole Davison, who, a witness stated, had at one time been a demonstrator in metallurgy at King's College, London. On April 20 he was found unconscious in his bedroom; two glasses in the room were subsequently found to have contained hydrocyanic acid and arsenic [in solution (?)] respectively. A verdict of "Suicide during temporary insanity" was recorded.

Birmingham.

The gold and jewelled chain of office worn by the Lady Mayoress is the gift of Alderman Clayton, Ph.C.

Mr. Horace Thomas, son of Mr. Thomas (Bellamy & Wakefield), is to give an organ recital at the University on May 1.

Mr. L. C. Tipper entertained the tenants on his Kington and Dormston estate to a musical evening and dance on April 22.

The prizes at the Moseley Church Lads' Brigade whist-drive on April 23 were given by two local pharmacists, Messrs. H. H. Marshall and T. W. Lowther.

Scratched windows are numerous in the city. The optimism of the announcement in a departmental stores, "Our windows are not yet cut, but our boot prices are," strikes one as premature. This, it should be added, is not credited to Birmingham.

Among recent contributions to the Lord Mayor's unemployment fund are Mr. W. A. Albright, Mr. Alfred Southall, Alderman Clayton, Cadbury Bros., Ltd., and their employees. Nearly one-third of Birmingham's industrial population is either unemployed or not working more than three days a week.

Among the letters in the local Press in reply to the criticisms of the manner in which chemists dispense Insurance prescriptions (*C. & D.*, April 23, p. 34), is one signed "Parex." The writer challenges the author of the previous letter to substantiate his statements, and offers to prove that Insurance dispensing "is not the paying proposition" it is imagined to be. "In my opinion," continues "Parex," "the Birmingham pharmacies are more up-to-date than most London ones. I have never seen a cork used even a second time, and it will interest your readers to know that most chemists prefer to buy new bottles at 3*d.* each rather than take the risk of using the bottles which customers return for 1*d.* each." [See also p. 79.—Editor.]

Leicester.

The ex-President of the local Association has acquired a business in Portsmouth (see p. 58).

In the replay for the Thursday cup Pharmacy were beaten by the 17th Regimental Depôt by two goals to one. The chemists were somewhat unfortunate, as, after being one down at half-time, Tyler equalised, but a few minutes later Moore put the ball through his own goal.

The "rainbow" design for the Drummer Dye show at the Evington Road pharmacy looked very effective, and, along with other local efforts, has been sent up for a "John Bull" competition. Entries for the Eucryl competition are beginning to make themselves manifest, the Station Pharmacy having an excellent display.

Liverpool.

The latest pharmacy-window novelty is an invitation to each purchaser to the extent of a shilling to ask for a lucky black cat.

In addition to the representatives from Liverpool at the late Mr. Deakin's funeral, mentioned in last week's issue of the *C. & D.* (p. 45), there were present Mr. W. H. Clubb, Ph.C., Mr. J. L. Hirst, Mr. A. W. Ashcroft, Mr. Martin L. Daniels, and Mr. H. Lomax.

About seventy members of the Pharmacists' Training Corps have lately received certificates or medals from the St. John Ambulance Association. In one case, bleeding from a wrist cut right across was arrested by binding over it two 1-oz. vials so as to compress the severed arteries.

The Liverpool Chemists' Association has appointed the following delegates to the British Pharmaceutical Conference at Scarborough: Messrs. W. H. Clubb, Ph.C. (President), D. H. Evans (ex-President), William P. Evans (past-President), J. L. Hirst (secretary), A. W. Ashcroft, A. J. Ferriday, Martin Hughes, H. Humphreys Jones, F.I.C., J. McInroy, J. Paley, L. Moreton Parry, J. H. Robinson, Charles Symes, Ph.C., J. G. Wallbridge, and Harold Wyatt, Ph.C. Mr. George Whitfield, Scarborough, while attending a "Rexall" rally in Liverpool lately, spoke enthusiastically of the completion of the arrangements for the Conference.

Manchester.

Several pharmacists and drug-store proprietors in Manchester have lately been fined for selling goods after 8 p.m.

A picnic to Derbyshire has been arranged to take place in the early summer under the auspices of the Manchester Pharmaceutical Association.

A biographical sketch (with portrait) of Mr. T. E. Eastwood, President of the Manchester Pharmaceutical Association for the current year, appears on p. 60.

Inspectors under the Sale of Food and Drugs Acts have been busy of late. Goods for analysis, to the value of 19*s.*, were recently purchased at a North Manchester pharmacy.

It is proposed to form a pharmacists' golf club in this district. Anyone interested in the formation of such a club should communicate with Mr. T. Miller, secretary of the Manchester Pharmaceutical Association. One member of the Association has offered to provide a trophy for competition, should the idea materialise.

The election of Mr. E. H. Simmons, Salford, as Vice-President of the Manchester Pharmaceutical Association is a happy selection. Mr. Simmons is a keen business man and an acquisition to any association. He has done much good work in the Salford and District Pharmacists' Association, the Manchester Association, and the Local Associations Executive for some years past.

The result of the election of the executive committee of the Manchester, Salford and District branch of the Retail Pharmacists' Union will not be known before this week's issue of the *C. & D.* goes to press, but it is of interest to mention that there are twelve candidates for eight seats for the Manchester district, five for four seats for the Salford district, and four for four seats for the county district. Mr. F. W. Bates, J.P., is standing for the county district, his business premises being outside the Manchester area.

Manchester pharmacists were deeply grieved at the news of the untimely death of Mr. J. W. Deakin, J.P. (*C. & D.*, April 23, p. 45). Those present at the March meeting of the local Association will recall the pleasant surprise occasioned by the President's announcement of a chance meeting in the city with Mr. Deakin, resulting in his being prevailed upon to address the Association that evening. Mr. Deakin gave an inspiring forecast of the great future that was possible for pharmacy if pharmacists would unite in order to fight for their rights.

Scarborough.

The following arrangements have been made by two of the Committees of the forthcoming British Pharmaceutical Conference:

At a meeting of the local Committee at the residence of Mr. E. Parker on April 21, Mr. George Whitfield presiding, a draft programme was discussed and various arrangements were settled, among them being the holding of a cricket match, Conference *versus* Scarborough College.

At a meeting of the ladies' Committee at the residence of Mrs. R. C. Brown on April 20, Mrs. Eyre presiding, it was decided to adopt the borough coat of arms, printed in gold on blue ribbon, as a Conference badge. Arrangements were also made for visits of ladies to the Spa, Bathing Pool, and Italian Gardens.

An outbreak of fire was discovered late at night on April 25 on the premises of Mr. R. C. Brown, chemist and druggist (Hull Drug Stores), Westborough. Mr. Brown (who has been chosen as the leader of the Conference cricket team) attributes the blaze to a light coming into contact with straw or similar packing-material. The outbreak was practically confined to the basement, but the damage—fortunately covered by insurance—is estimated at 400*l*.

Sheffield.

Lack of funds has compelled several of the smaller hospitals to cease supplying malt-extract preparations.

The Ministry of Health is urging local authorities not to proceed with new infant-welfare schemes, an attitude which chemists will appreciate.

Samples of tincture of orange and tincture of iodine are among those recently taken by the local inspector under the Sale of Food and Drugs Acts.

Miscellaneous.

Sale of Food and Drugs Acts.—A sample of boric acid ointment submitted to the Buckinghamshire analyst during the past quarter was certified to be deficient in boric acid to the extent of 21 per cent.

Wine-licence Transferred.—The wine off-licence held by the late Mr. H. S. Martin, chemist and druggist (Henry S. Martin, Ltd., chemists), East Grinstead, has been transferred to Mr. E. T. Neathercoat, Ph.C.

London Shops Broken Into.—Two of the branches of Parke's Drug Stores, Ltd., one at East Ham, E., and one at Putney, S.W., have lately been broken into; goods to the value of 30*l*. were stolen at the East Ham shop, but nothing was removed in the other case. Messrs. Parke have also been unfortunate in the matter of window-scratching, their Crouch End branch, in addition to those mentioned in our last week's issue (p. 35), having sustained damage of this kind.

Fires.—The following outbreaks of fire have been recorded since our last report: At the works of Burt, Bolton & Haywood, Ltd., Silvertown, London, E. 16, on April 22, a tank containing a considerable quantity of tar caught fire and burned for some hours. To prevent further ignition, other tanks were "flooded."—A fire broke out at the premises of Mr. A. E. Tolley, Town Drug Stores, Halesowen, recently; it was confined to the basement, and the damage is covered by insurance.

In the Courts.—In Whitechapel County Court, London, on April 20, David Blackmuir, a member of the National Drug and Chemical Union, was awarded 35*s*. a week, as from December 22, 1920, in respect of injuries received in lifting a bag of infants' food while in the employ of Potter & Clarke, Ltd., Artillery Lane, E. 1.—In Otley County Court, on April 20, Mr. George Edward Johnson, chemist and druggist, Victoria Terrace, Belle Vue Road, Leeds, was awarded 44*l*. as damages against Mr. John W. Fieldsend, grocer, Brunswick Street, Morley, in respect of a collision between two motor-cycles and side-cars driven by the parties. Mrs. Johnson also recovered 7*l*. 8*s*. 9*d*., and Miss Dorothy Johnson 9*l*. 8*s*. 9*d*. A counterclaim for 8*l*. 18*s*. 6*d*. was dismissed.—At Bow Street Police Court, London, on April 21, Joseph Yates, Wimbledon, described as a timber merchant, was committed for trial on a charge of stealing a camera, value 30*l*., the property of Adams & Co., photographic dealers, Charing Cross Road, W.C. 2.—At St. Helier Police Court, on April 23, Cyril J. Le Cocq, porter, was charged with having stolen the sum of 50*l*., the moneys of Mr. T. A. Moignard, of F. G. Piquet's pharmacy, 11 Halkett Place. The evidence showed that the accused, who had borne a good character, secreted part of the sum mentioned and burnt the remainder (which was in Treasury notes). He was remanded in custody.—At Marylebone Police Court, on April 25, Sidney Watts (17) was remanded on a charge of stealing goods and the sum of 2*l*., the property of his employer, Mr. Henry Lewis, surgical-instrument manufacturer, 2 Westmoreland Street, W. 1.

Irish News.

Brevities.

Mr. H. T. Smyth, Ph.C., has commenced business at 43 Strand Road, Londonderry.

The following appointments have been made: Mr. W. J. Horne, F.I.C., Limerick, analyst to the Oughterard Union, Galway; Mr. Fagan, analyst to the Sligo and Leitrim Asylums Committee at a salary of 20*l*. per annum, and also to the Donegal Union.

Drugs and Surgical Appliances Contracts.

The following additional awards have been made since our last report: Boileau & Boyd, Ltd., Dublin, medicines and appliances to the Donegal Union at 17½ per cent. discount, and to the Carlow Lunatic Asylum; Fielding's Pharmacy, Cork, medicines and dressings to Clare Co. Infirmary at 20 per cent. discount; Sumner & Co., Ltd., Liverpool, medicines, and Boileau & Boyd, Ltd., appliances to the Lurgan Guardians. At the meeting of the Letterkenny Guardians the acceptance of the tender of J. Clarke & Co., Belfast, for medical appliances was rescinded, and the contract will be re-advertised. A letter was read from the Local Government Board notifying their sanction of the acceptance of Messrs. Clarke's tender, but no action was taken. With regard to the advantageous offer of the General Council of Irish County Councils (*C. & D.*, April 23, p. 36), the following are further decisions: The Shillelagh Guardians accept; the Birr Guardians adhere to their contracts; the Clones Guardians will cancel their arrangements and accept; Ballena Guardians will take no action; the Castleblayney Guardians have postponed consideration until the next meeting.

Belfast.

Mr. R. F. Blake, Belfast, has been appointed analyst to the Armagh Union.

Mr. J. E. O'Neill, J.P., R.D., Maghera, has been appointed to represent Londonderry County Council on the County Derry War Pensions Committee.

At the meeting of the executive of the Ulster Farmers' Union, recently, it was decided to press for further amendments of the Dangerous Drugs Act Regulations.

At the Recorder's Court, on April 21, Mr. Charles Abernethy, R.D., 232 Albertbridge Road, claimed compensation for malicious injury to glass in his premises during the disturbances of last summer. A decree for 16*l*. was given against the Corporation by consent.

At Belfast Summons Court, recently, W. A. Lynass & Co., Ltd., chemists, Ann Street, were summoned by the Corporation for having an assistant at work during prohibited hours on the weekly half-holiday. The assistant was working to accommodate his employers as they were shorthanded. A fine of 2*s*. 6*d*. and costs was imposed.

Following negotiations with the Pharmaceutical Society of Ireland, it has been intimated by the Belfast Local Trade Advisory Panel (Pharmacy) "That disabled ex-Service men who have been accepted by the L.T.A.P. for pharmacy in any area, having also received preliminary registration from the Pharmaceutical Society of Ireland, and having undergone the specialised course of training approved by the Ministry of Labour and the Pharmaceutical Society of Ireland for that area, shall be eligible for admission to the Assistants' examination of the Pharmaceutical Society of Ireland at the satisfactory conclusion of the three years' course."

Dublin.

A knighthood has been conferred upon Mr. James Craig, M.D., F.R.C.P.I., for some years King's Professor, Practice of Medicine, Trinity College, Dublin.

Mr. Wm. Caldwell, who has been connected with Boileau & Boyd, Ltd., Dublin, for sixteen years, has been appointed secretary to the Dublin Chamber of Commerce.

Scottish News.

Brevities.

The new telephone rates serve one useful purpose. Immediately they became operative the telephone borrower disappeared.

It is said that several of the older employees of a city firm are "retiring," and that a drastic reduction in the number of the staff is imminent.

At a recent meeting of the Paisley branch of the Scottish Pharmaceutical Federation price-cutting and 8 o'clock closing on Saturdays were the main items discussed.

Copies of the photograph taken at the Federation dinner at the Grosvenor Restaurant, Glasgow, on March 23, are on sale. The general opinion is that had a flashlight photograph been taken it would have been more satisfactory; several of the company appear to have moved during the exposure.

Dundee.

The local branch of the National Drug and Chemical Union held a social and dance on April 22.

An invitation to "see what a penny will buy" drew crowds to a certain Dundee chemist's window recently. Two articles for the price of one *plus* a penny is the explanation.

Edinburgh.

Mr. Laurence Raithby, manufacturers' agent, has been elected to the local Education Authority.

Mr. Peter Stewart (J. F. Macfarlan & Co., manufacturing chemists) is absent from business at present owing to an illness.

Pinkerton, Gibson & Co., Ltd., wholesale druggists, East Thistle Street Lane, hope to be able shortly to execute all orders.

Mr. W. S. Glass, Ph.C., is the writer of a letter on "Temperance Teaching in Schools," which appeared in the local Press recently.

Considerable comment was evoked at the town council meeting on April 13, when a grant of 300*l.* to the Royal (Dick) Veterinary College was sanctioned. It was remarked that the Art College paid its way, and the Dick College should adjust its fees to enable it to do likewise.

The latest half-yearly balance-sheet of St. Cuthbert's Co-operative Association, Ltd., shows net sales in the drug department as follows: Bread Street, 4,425*l.*; Haddington Place, 1,734*l.*; Hamilton Place, 1,590*l.*; Montrose Terrace, 1,621*l.*; Morningside Road, 1,065*l.*; Nicolson Street, 1,927*l.*; Tynecastle, 2,267*l.*

Fife.

"Spring cleaning" is quite a hobby with many chemists at the present time.

Provost W. Smart, chemist and druggist, Buckhaven, has been elected President of the Wemyss and District Bowling League.

Miss Jenny Fenton, daughter of Mr. Peter Fenton, F.C.S., chemist and druggist, Kirkcaldy, passed the elementary division (pianoforte) of the Associated Board of the Royal Academy of Music and Royal College of Music at the recent examinations held in Edinburgh.

Glasgow.

An advertisement for a qualified assistant at a salary of 5*l.* 15*s.* per week appeared in a recent number of the "Herald."

Sister Lauras Infant and Invalid Food Co., Ltd., Bishopbriggs, have appointed Mr. Telford, 6 Union Street, as their selling agent in Scotland.

For posing as a medical practitioner with the degrees M.D., Ch.B., and pretending to treat medically two women, a man named Nathan, described as a clerk, was, on April 25, sentenced to six months' imprisonment. Some of the medicine supplied by the accused, it was stated, contained only water, coloured by permanganate of potash.

French News.

(From the "C. & D." Paris Correspondent.)

The Queen of the Belgians, passing through Paris recently, devoted her afternoon to visiting the Pasteur Institute. Drs. Roux, Calmette, and Louis Martin conducted Her Majesty over the hospital.

Alleged Scientific Poisoning.—A man named Girard is to be tried on a charge of alleged poisoning of two persons and of attempting to poison others, after insuring their lives in his favour, by means of typhoid germs in one case, and in another a preparation of toxic fungi.

Barium Sulphite for Sulphate.—In an action against a pharmacist in the Paris courts, evidence showed that his lady assistant delivered three packets of barium sulphite instead of the sulphate as prescribed, and that the first dose was fatal. Damages to the amount of 50,000 fr. were accorded to the prosecutor.

The Disposal of War Stocks is a fruitful subject of criticism. A certain French Customs House, it appears, sold some 460 lb. of potash sulphoguaiacolate for 1,000 fr. to a local pharmacist an hour before the time announced for the auction. As the buyer offered his purchase to a Paris druggist at 45 fr. or 50 fr. per lb., the Wholesale Druggists' Association has asked the Customs authorities for an explanation.

M. Perrot (Professor of Materia Medica at the Paris Faculty of Pharmacy), whose report on the gums of the Soudan region was recently commented on (*C. & D.*, January 8, p. 49), will, it is believed, shortly leave for Morocco on another scientific mission. He has for long specialised in the study of the commercial utilisation of the various vegetable products of the French tropical and sub-tropical colonies, and probably no more competent scientist could be found for such a project.

Legion of Honour Awards.—In connection with the recent centenary of the Academy of Medicine, Professor Cazeneuve of Lyons (ex-Senator) has been nominated Officer of the Legion of Honour; and the red ribbon of chevalier has been awarded to M. Meillère (hospital pharmacist and head of the laboratory of the Academy) and to M. Léger, preparator of the lectures on general chemistry at the Conservatoire des Arts et Métiers.—The decree nominating M. Loisel (President of the General Association of French Pharmacists) a Chevalier of the Legion of Honour mentions his "particularly signal services rendered to the town of Beauvais, especially during the war."

Clinical Thermometers.—When the law of August 1918, relating to the testing of clinical thermometers, was passed, the average monthly number presented was 5,000. Early in 1920, however, this figure was trebled. The authorities asked Parliament for extra credits to enable about 30,000 instruments to be checked monthly. Certain import restrictions having since been removed, French firms have passed important orders to German manufacturers, and 91,000 thermometers have been imported in one month. As many as a quarter of a million thermometers have at times been lying in stock awaiting the official test. The remedy, says the Minister of Public Instruction, is to vote the credit asked for, with, if possible, a supplementary figure for the future.

Demobilisation Difficulties.—A "First-class Pharmacist," in a letter to a professional journal, dwells on the difficulties of young demobilised pharmacists. "Pharmacy," he says, "is now only accessible to the well-to-do. Firstly, there are the 'war widows.' To allow two years (instead of one) as the limit for 'keeping open shop' to the wife of a man killed in action may be fair enough. But every non-combatant pharmacist who died between 1914 and 1920 conferred on his widow this right of two years' business." This pharmaceutical Tony Weller bids young pharmacists to "beware of the widows," some of whom, he declares, "do not hesitate to offer, with, of course, a certain circumlocution, as modesty exacts, the heiress at the same time as the business."

Spanish News.

Mineral Colour Industry.—White-lead of good quality has been made for many years by the Real Cía. Asturiana de Minas, Barcelona, another maker being the Vincente Fité y Cía., Mataró. Lithopone of fine quality is made in large quantities by the Industrial Químicas Albinana Argemi Co., Barcelona. The prices of white-lead and lithopone are fixed so that they are lower than the imported products. Blanc fixe is made by M. & G. Forst, Barcelona, with which firm it is a by-product in the manufacture of hydrogen peroxide. A good deal of blanc fixe is imported from England, France, and Germany. Red-lead and litharge are made by the two companies mentioned above as manufacturers of white-lead. There are a few other small makers in Catalonia.

Trade Secrets Leakage.—Attention is called in "The Times" to offers made to a British firm of importers in Spain to supply the names of buyers, customers of competitive firms, with full details of the goods sold, prices, and trade discounts, information which often has a saleable value. Inquiries at the Federation of British Industries show that this is a by no means isolated case, and similar complaints have been received from other foreign markets. The source of the leakage is believed to be unscrupulous foreign bank officials, who sell the information not only to competing British firms, but to the agents of German and other foreign manufacturers. The information is gleaned from the invoice attached to the bill of lading and documents for collection. The Federation recommends British firms to send the invoice direct to the customer or local agent and not to the banks, which is unnecessary.

Personal.—A signal honour has been paid to the well-known Barcelona pharmacist and manufacturer of pharmaceutical products, Dr. Salvador Andreu, who has done so much for Spanish pharmacy. At the last meeting of the Royal College of Pharmacists of Madrid, embodying the pharmaceutical profession of the capital, Dr. Andreu was unanimously elected honorary president of the association, and a decision was passed that his portrait should be hung in the meeting-room of the building in which the Royal College is housed. It has further been decided to have a bust made of the patriarch of Spanish pharmacy, reproductions of which are to be placed in all the colleges of pharmacy and professional organisations. Dr. Andreu has not only contributed very materially to the scientific development of Spanish pharmacy, which he has assisted by the research work carried out in his laboratories, thereby enabling the manufacture of a large number of indispensable drugs, but has always been found ready to assist professional brethren in distress, and in the words of the President of the Royal and Illustrious College of Madrid, Dr. Angel Morales, the profession in honouring Dr. Andreu is honouring itself.

Trade-marks in Spain.—According to the terms of the Spanish patent law of 1912, it is not permissible to patent a pharmaceutical product. On the other hand, considerable doubt has arisen among manufacturers of pharmaceutical products regarding the interpretation of the article of the trade-mark regulations which requires that the applicant for a trade-mark must be in a position to prove that he is a member of the profession interested in the product to which such trade-mark shall be applied. The association of Spanish manufacturers of specialities has approached the Registrar of Trade-marks with a view of obtaining a ruling on this point, and the latter has declared that in the case of medicines and of pharmaceutical products applications for trade-marks to be used in connection with such products can only be made by qualified pharmacists, medical practitioners, or veterinary surgeons, to the exclusion of members of any other trades not possessing one of these qualifications. The application for a trade-mark to be used for a pharmaceutical product, or for any medicinal preparation, as distinct from a chemical compound or dye, etc., must be accompanied either by the applicant's original diploma of pharmacist, medical practitioner, or veterinary surgeon, or a copy of this document, duly certified.

Registration Hitch in Spain.—The Spanish Government has experienced considerable unexpected difficulties in the enforcement of the royal decree requiring that all specialities shall be registered prior to their sale in Spain (*C. & D.*, 1919, pp. 963 and 1178), and, in fact, has found it impossible to effect the registration of all the applications which have been submitted to the Inspector-General of Health. Consequently, it has been found impossible to enforce the provision, according to which no foreign speciality was to be allowed to enter Spain after March 31, not bearing on the label, etc., the registration number in accordance with the provisions set forth in the law. For up to the present only a few numbers have been notified to manufacturers of Spanish specialities, and none to foreign applicants for registration. It has, therefore, been decided to prolong by one year—viz., until March 31, 1922—the period within which registration has to be effected, and a royal decree to this effect has now been issued. Those specialities which should have been registered during the preceding two years, which expired on March 31 of this year, will, however, only be registered on payment of double fees. This applies to all specialities which were on sale in Spain at the time of the enactment of the decree, or which were on sale abroad, but had not yet been imported and sold in Spain. Henceforth the single fee will be charged only in respect of specialities placed on the market, either in Spain or abroad, since the publication of this decree.

Foreign Specialities.—In view of the provisions of the Royal Decree regulating the sale of pharmaceutical specialities, which prohibits the sale of all such preparations which are not registered in accordance with the provisions of this law, the National Pharmaceutical Union has presented a memorandum to the Government drawing its attention to the position of those specialities purchased prior to their registration. To prohibit the sale of these preparations would entail a very considerable loss both to pharmacists and wholesalers holding stocks of the same, therefore the Union proposes that a Royal Order shall be issued requiring all pharmacists and wholesalers to furnish a sworn statement enumerating all the specialities held in stock on March 31. This list would then be verified by the Subdelegates of Pharmacy, who would impress a distinct impression, or affix a stamp to each package, whereby its sale would be legalised. The Minister's attention is also drawn to the necessity of strictly enforcing all the provisions of this new law, particularly in view of certain rumours asserting that it is proposed to modify some of its provisions, particularly article 7 of the Decree. This is the provision that requires that the manufacturer of a speciality must be a qualified pharmacist (foreign manufacturers of specialities on applying for registration of their preparations have to certify that their laboratory is in charge of a pharmacist, and this declaration must be legalised by a Spanish consul), or if the foreign manufacturer of a speciality to be introduced in Spain is not himself a pharmacist, he must have the preparation made up in Spain by a Spanish pharmacist. To abrogate the latter requirement would be to permit the illegal exercise of pharmacy by persons not belonging to the profession, and the National Pharmaceutical Union "will oppose by all means in its power the efforts of French manufacturers of specialities to cause their intrusion into the Spanish pharmaceutical profession to be legalised." The Spanish pharmaceutical Press publishes the Royal Decree extending the period for making application for the registration of specialities until March 31, 1922. After that date only registered specialities will be allowed in Spain, and pharmacists as well as wholesalers are admonished to avoid laying in excessive stocks of preparations not complying with this requirement, which they cannot dispose of within this period.

We have received from Mr. G. M. Perkins, chemist and druggist, Knighton, a copy of his "Annual," containing, in addition to useful general information, a seed catalogue, poultry notes, and other data well adapted to a rural district.

Legal Reports.

Tartaric-Acid Deal.—Referring to the report in the *C. & D.*, April 23, p. 39, C. W. Field, Ltd., write to point ont that the price of the tartaric acid which was in dispute was 3*s.* 3*d.* per lb., and not 3*s.* 8*d.*

Deficient Sweet Spirit of Nitre.—At the West Riding Court, Bradford, on April 21, J. Savage & Co., Ltd., chemists, were fined 5*l.*, with 1*l.* costs, for selling spirit of nitre, at their Clayton branch, containing 28 per cent. of the minimum of ethyl nitrite required.

An Irregular Licence.—At Bradford Police Court, on April 20, J. Savage & Co., Ltd., chemists, Bradford, were summoned for having sold a bottle of wine at their shop at 140 Listerhills Road without holding a licence. Mr. H. M. Dawson, for the defence, explained that the licence had been held by Mrs. Savage, widow of the founder of the company, but after her death, owing to oversight, it had not been transferred and had actually been renewed to Mrs. Savage. A fine of 10*l.* was imposed.

Profiteering Act Cases.—At Bradford Police Court, on April 20, Mr. Ethelred Hoyle, chemist and druggist, Tyrrel Street, Bradford, was summoned at the instance of the local Profiteering Committee on a charge of obtaining an unreasonable price for a tin of Lime Phosphate (*C. & D.*, February 26, p. 73). This was said to be the first prosecution which has occurred in Bradford under the Profiteering Act. The facts of the case having been stated for the prosecution, the managing director of a well-known local chemists' company was called by the prosecution, and said he considered 166 per cent. profit (on cost) unreasonable on this particular article. The usual profit in the trade was between 70 and 100 per cent. This "morning powder" was one of the "plums" of the trade. In cross-examination by Mr. H. M. Dawson, defending, the witness said he would not assert that there was nothing in his own shop which yielded more than 100 per cent., but such articles were very few. Mr. Dawson, addressing the Bench, contended that a man trading in the centre of the city, as was the defendant, was entitled to a bigger profit than a man in a suburban shop. Mr. Hoyle was making only the same profit on the article as he had done prior to and during the war. The proceedings before the Profiteering Committee were a farce. The Magistrate: That is a very improper remark to make. Mr. Dawson: At any rate, the Profiteering Act will be buried next month, and there will not be many mourners. (Laughter.) The magistrate said he was satisfied that the profit charged was unreasonable, but, having regard to the comparative situation of the two shops at which the purchases had been made, the case would be dealt with leniently by a fine of 1*l.* A charge against the defendant on similar lines, in respect of aspirin tablets, was dismissed.—At Guildhall Police Court, London, on April 22, the hearing of the case in which John C. Mascarenhas (trading as J. Lloyd & Co.) is charged with selling soda crystals at an unreasonable price (*C. & D.*, April 23, p. 39) was continued. Mr. Warren, for the defence, submitted that there was no evidence to show that soda crystals came within the schedule of the 1919 Act; that there was no provision for the Board of Trade to delegate to the Director of Public Prosecutions its power of taking action; and that the prosecution was out of time. Mr. Roome replied that in the amending Act a period of twelve months was allowed for the institution of proceedings. The magistrate ruled that soda crystals came within the schedule, and, after hearing the defendant's evidence, reserved his decision.

A Chemical Dispute.—In the Mayor's and City of London Court, on April 22, before Judge Atherley Jones, K.C., Mangold Bros., 17 Harp Lane, E.C., claimed 44*l.* 1*s.* against Mr. G. Tudor Thomas, trading as G. Tudor Thomas & Co., 157 Cowbridge Road, Cardiff, for tartaric acid, camphor flowers, camphor slabs, and other chemicals supplied. Mr. O'Hagan, for the plaintiffs, said that the claim was for the balance of an account. The two items in dispute were for spirit of ammonia 37*l.* 10*s.*, and 8*l.* 0*s.* 6*d.* for liquor ammoniæ fortis. Plaintiffs were dealers in chemicals and the defendant was a wholesale druggist. The parties had had a number of dealings together, and on September 24 last, after the goods in question had been supplied, defendant said that with regard to the 37*l.* 10*s.* item there was a shortage in delivery, that some of the bottles contained discoloured liquid, and defendant claimed in respect of that credit for 3*l.* 6*s.* 9*d.* Mr. Thomas said there was a shortage in the spirit of ammonia under the 37*l.* 10*s.* item. They did not say that the goods were discoloured. With regard to the liquid ammonia, which was in bottles, some of it was discoloured. The whole amount in dispute was 9*l.* 9*s.* 9*d.* Mr. O'Hagan added that after legal proceedings the defendant paid 34*l.* 11*s.* 3*d.* On September 24 there was an interview, when defendant agreed to take from the plaintiffs some other goods. With regard to the spirit of ammonia and the liquid ammonia, defendant was told by the plaintiff that they were Government surplus stores, which had been in stock for some time, and which he was prepared to sell at knockdown prices. Defendant was to buy the goods as they were. The invoice was sent to the defendant on September 28, and there was no complaint until October 7. Then the defendant wrote to the plaintiff and said the spirit of ammonia was 22 lb. 4 oz. short and seemed very much discoloured by the corks, which were a black pulp. That complaint was not now being persisted in. There was no complaint about the terms for strong ammonia. The total amount owing was at the time of the dispute 194*l.* On November 20 defendant wrote and said that ready money was very tight, that he had over 1,000*l.* out which he wanted to get in, and he added "Watch the *C. & D.* and see what you think of my advertisement." There was no reference to the quality of the goods now in dispute; the defendant had offered a bill for 150*l.* and the rest by cheque, and he said he would pay by monthly instalments. Mr. O'Hagan said the defendant was not in a position to keep some of the goods and reject others. Mr. Thomas, for defendant, said the plaintiffs had actually taken back the goods sued for. Mr. O'Hagan said after the proceedings were brought the defendant sent back the goods, and they had been put into the plaintiff's store to await the decision of that Court. The further hearing was adjourned.

Arsenical Borax.—At Salford Town Hall, on April 27, Mr. Harry Bellringer, chemist and druggist, 20 Great Clowes Street, Mr. John Arthur Dyson, chemist and druggist, 65 Marlborough Road, and Mr. Richard Meacham, 125 Chapel Street, were charged with selling adulterated borax. Mr. T. T. Tomson, solicitor, appeared for the prosecution; Mr. Matthew Hall (instructed by the Chemists' Defence Association, Ltd.) represented Messrs. Bellringer and Dyson; and Mr. Meacham appeared in person. Mr. Tomson said that the proceedings were taken under the Sale of Food and Drugs Acts. In September last year it came to the knowledge of the authorities that borax was being sold adulterated with arsenic. They wrote to Mr. J. L. Davison, secretary of the Salford Pharmacists' Association, drawing the attention of the Association to the matter. In reply, a letter was sent by Mr. Davison, thanking them for their consideration, and enclosing a copy of a circular sent to all pharmacists and members of the Association in the borough, warning them that samples of borax recently taken had been found to be adulterated with arsenic, and that if any further complaints arose proceedings would be taken. Mr. Tomson, continuing, said that an inspector bought ¼ lb. of borax from one of the defendants, which contained 3 gr. of arsenic per lb.; it should contain only ⅓ gr. per lb. He was not suggesting that the defendants had adulterated the borax. The question was whether the invoice of Brooks & Co., Ltd., wholesale druggists, Shudehill, Manchester, was a guarantee of purity within the meaning of the Acts. Halsbury, in his "Laws of England," said that an invoice might be regarded as a warranty. He also quoted from a case in which Lord Chief Justice Russell had held, in the case of butter, that the wording of the invoice was a guarantee of purity. A case in which Messrs. Kilvert's lard was concerned was also quoted. Mr. Hall stated that the

delivery of borax from Messrs. Brooks was a mistake, and the consignment was really for another customer. The invoice from Messrs. Brooks was dated the day after the visit of the traveller who took the order, and was received before the chemists got the goods. If they got the invoice a week after the delivery of the borax it would be different. Mr. Herbert Kent, manager to Messrs. Brooks, gave formal evidence. Mr. Hall asked that the case of Mr. Bellringer should be adjourned, as he was suffering from influenza and could not appear. The stipendiary agreed to adjourn the cases of Messrs. Bellringer and Dyson till May 11. The case of Mr. Meacham was then taken. In this case ½ lb. of borax was purchased by the authorities, and was found to contain an excess of arsenic. Mr. Meacham said that he had had the borax in stock a long time, and it was paid for as B.P. He could not tell which firm he bought it from. As he sold it for domestic purposes he thought there were no restrictions. He believed that the percentage of arsenic was small. The Stipendiary: It is not; it has fifty-two times too much arsenic in. A fine of 21s. was imposed.

Insurance Dispensing Complaints.

At Birmingham Police Court, on April 22, Mr. James Frederick Griffin, chemist and druggist, was summoned in respect of deficiencies in a mixture containing quinine sulphate and hydrobromic acid. It was stated for the prosecution that Mr. Griffin supplied 7½ oz. of the mixture to an inspector of the city health department, the order being given on the Birmingham Insurance Committee's prescription-form. The Committee's Pharmacopœia orders that this mixture shall contain 32 gr. of quinine sulphate and 240 minims of diluted hydrobromic acid, made up (with infusion of orange and chloroform water) to 8 oz. On analysis, a sample was found to contain 19 gr. and 206 minims respectively in 7½ oz. Mr. T. W. Walthall, for defendant (who pleaded "Not guilty"), urged that, while he did not dispute the correctness of the analysis, the quantity analysed was insufficient to enable the Bench to test whether the calculation in regard to the whole was a correct one. After considerable argument, the Bench held that the certificate was good, and the city analyst (Mr. J. F. Liverseege, F.I.C.) explained how his calculation was made. Mr. Walthall also submitted a decided case which deemed a certificate bad because it did not state the ingredients so as to show the shortage, but Mr. Minshull (for the Corporation) contended that it did not apply, and the Bench upheld the contention. Mr. Walthall next submitted a point under Section 7 of the Food and Drugs Act, 1875, which, he said, had not been decided before, and which laid down that the ingredients of a compound should be in accordance with the demand of the purchaser. It was doubtful, he suggested, whether the purchaser was the patient who received the medicine or the local Committee who actually paid. Mr. Minshull replied that the purchase-money was provided by the Public Health Authority, and that a person was bound to sell to an inspector under the Act. Mr. Walthall then explained that the deficiency arose out of an unfortunate mistake. Mr. Griffin's dispenser, who had had twenty years' experience, had made up the mixture in stock form the day before, and instead of using the customary 80-oz. bottle, inadvertently took a 100-oz. bottle. There was no intention to defraud; it was clearly a mistake, and he suggested that the offence was therefore not a serious one. Mr. Griffin, who has been in business thirty-two years, bore out this statement. His dispenser, Miss Kate Hudson, gave corroborative evidence. Asked to explain the deficiency not accounted for by this error, she said she could only suggest that during the course of preparation a part of the ingredients must have been blown away or knocked off. A fine of 15*l*. was imposed.

At the same Court, Mr. Eli Wright, chemist and druggist, 162 Aston Road, was similarly summoned in respect of a mixture containing the same ingredients as in the preceding case. He pleaded "Not guilty." Mr. Wright was also summoned for obstructing an officer while in the execution of his duty. Mr. Minshull said that in this case the deficiency was greater: there was only 3 gr. of quinine sulphate and 71 minims of diluted hydrobromic acid in 7½ oz. of the mixture. An inspector, giving evidence, stated that he took a prescription on the Insurance Committee's form to the shop, and was handed the bottle of mixture in question by an elderly lady. He tendered 2*s*. 6*d*. to the defendant, after having informed him that he was an inspector, but the defendant declined to take payment. Witness informed Mr. Wright that his refusal amounted to obstruction, and told the Bench that the defendant abused him. Mr. Hall Wright, defending, contended that the inspector was not the purchaser. The contract was between the Committee and the chemist, and the defendant naturally did not accept payment. Mr. Wright, in the witness-box, averred that when he re-entered the shop he clearly saw the inspector pushing the cork into the bottle. He came to the conclusion that during his absence there was sufficient time for the medicine to have been tampered with, and under the circumstances would have nothing further to do with the matter. He made up the mixture himself according to the Birmingham Insurance Pharmacopœia. A fine of 15*l*. was imposed: the summons for obstruction, however, was withdrawn.

At Coventry Police Court, on April 23, Mr. Douglas George Douthwaite, chemist and druggist, 88 King William Street, was summoned under Section 6 of the Sale of Food and Drugs Act, 1875, for selling, to the prejudice of the purchaser, a mixture deficient to the extent of 30 per cent. in the sodium salicylate ordered in the prescription. Mr. Marks, for the prosecution, said that the prescription was:

Sodii salicyl. ...	ʒiv.	Liq. morph. hyd.	ʒiij.
Bism. carb. ...	ʒiv.	Aq. ad	℥viij.

Mr. William Thomas Rigby, F.I.C., public analyst for Coventry, stated in evidence that there was 2.8 dr. of sodium salicylate present instead of 4 dr. In reply to the chairman of the Bench (Dr. E. Lynes), witness said he did not go into the quality of the drug, and, as far as he knew, it was pure. As to its cost, the question of its value did not enter into the matter; it was a question of the medicinal value. Mr. Marks said the prosecution did not suggest there was any intention on the part of defendant to make money out of this prescription, but what they wanted to ensure was correct dispensing. Mr. Nelson explained that on the morning in question his client was busy, as he had twelve prescriptions in. He accurately dispensed the morphine part, but the other ingredients he simply estimated and did not weigh. He had carried on business for fifteen years, and had never been charged with any offence of this character before. He had dispensed a very large number of prescriptions—he estimated the number at 10,000 last year, including 4,600 for Insurance patients. He did the whole of the dispensing, and the rush of business at times overwhelmed him. He would give an assurance that no similar thing should occur again. The chairman asked if there had been any complaints, and the chief inspector replied that, as the result of samples obtained from the defendant, he had been written to calling attention to inaccuracy with regard to the same ingredient. Mr. Nelson protested that it was not quite fair to go into these matters, as his client might have had a perfectly good defence. The Defendant: I did have. The chairman said that the Bench, taking into consideration that this was the first prosecution with respect to medicines dispensed by chemists in the city, would not inflict the full penalty, but they could not help taking into consideration the warnings that had been given. This was a very serious thing. The chemists and druggists did not complain of the remuneration they received, and the public, therefore, were entitled to pure and careful dispensing of medicines. It was quite evident, from the admission made, that the defendant had been in the habit of dispensing to a certain extent by rule of thumb instead of weighing out the ingredients. Defendant must pay a fine of 10*l*., with the costs of the analyst.

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New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

Zomogen Food Products, Ltd. (P.C.).—Capital 4,000*l.* Objects: To manufacture, buy, sell, and deal in a restorative food called "Zomogen," also in all extracts of meats, soups, broth, etc., and to carry on the business of chemists, druggists, drysalters, etc. Solicitors: J. & A. Hastie, 43 York Place, Edinburgh.

Shaw & Findlay, Ltd. (P.C.).—Capital, 3,500*l.* Objects: To take over the business carried on by J. W. W. Shaw as "Shaw & Findlay," in London, and to carry on the business of wholesale or retail chemists, druggists, dentists, and opticians, manufacturers of and dealers in salts, acids, alkalis, drugs, patent or proprietary articles, perfumes, scents, pigments, paints, varnishes, toilet requisites, photographic materials, etc. R.O.: 68 Brixton Road, Brixton.

Abdul Ishmal Hamira & Co., Ltd. (P.C.).—Capital, 2,000*l.* Objects: To carry on the business of importers, exporters, and manufacturers of and dealers in synthetic ottos, perfumes, toilet-preparations, compounds, medicinal, chemical, industrial and other preparations, oils, paints, pigments, varnishes, drugs, leather and fancy goods, electrical, chemical, photographic, surgical, and scientific apparatus, etc. Solicitor: L. C. L. Sparks, 63 and 64 Chancery Lane, London, W.C.

Casson Chemical Co., Ltd.—A meeting of creditors of this company, in voluntary liquidation, will be held at Caxton Hall, Westminster, London, S.W. 1, on May 3, at 11 a.m. Claims should be sent to Mr. Parkin S. Booth, 28 Kimberley House, Holborn Viaduct, London, E.C. 1.

German Chemical Dividends.—A number of chemical works have now issued their annual statements for the past year, and from the figures so far available it is evident that this branch of industry made very great progress, the profits realised being considerably higher than those made in the preceding year. The Badische Anilin and Soda Works are paying out a dividend of 20 per cent.—The Farbenfabriken, formerly Friedr. Bayer & Co., in Leverküsen, report a total profit amounting to 67,500,225m., compared with 45,313,379m. realised in 1919.—The Dye Works of Meister, Lucius & Brüning in Höchst made a net profit of 64,541,646m., against 24,216,861m. in 1919, and are paying a dividend of 20 per cent. (in 1919, 14 per cent.).—C. A. F. Kahlbaum & Co., in Berlin, closed with a profit of 9,654,000m., against 1,864,000m. in 1919, and are paying out 25 per cent.—The chemical works formerly E. Schering in Berlin made a profit of 3,592,383m. (in 1919, 1,878,322m.), and are paying 4 per cent. on 2,000,000m. preferential shares, and 25 per cent. on 10,000,000m. original shares. The following are other dividends: The Chemical Industry Co., of Gelsenkirchen-Schalke, 1919, net profits 1,665,652m., dividend 25 per cent.; 1920, net profits 5,805,128m., dividend 25 per cent. and 50 per cent. bonus.—The von Heyden Chemical Factory, Dresden, 1919, net profits 2,755,274m., average dividend on various kinds of shares 8 per cent.; 1920, net profits 8,432,838m., dividend 16½ per cent. Details are now available regarding the already mentioned proposal to increase the capital of the firms participating in the Anilin concern. The managerial boards of the firms of Fr. Bayer & Co., Badische Anilin and Soda Works, and of the Dye Works of Meister, Lucius & Brüning propose to move at the general meeting to increase the share capital for each portion of 252,000,000m. to a limit of 430,000,000m., and also to transform 42,000,000m. worth of preferential shares into original shares. The Chemical Industry Association, Mayence, is raising its capital from 7,000,000m. to 12,000,000m.; the Union Chemical Products Factory, Stettin, from 15,000,000m. to 24,000,000m.; the United Chemical Works, Ltd., Charlottenburg, from 3,000,000m. to 9,000,000m.; and the Teichgraeber Chemical Factory, Berlin, from 9,000,000m. to 18,000,000m.

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Inquiries about Panel Chemists.

The Minister of Health has had under consideration the Report of the Inquiry Committee constituted under Part VII. of the Medical Benefit Regulations, 1920, to investigate a representation made by the Bristol Insurance Committee in regard to Mr. J. T. Good, a chemist on the list of persons supplying drugs and appliances in the Insurance Committee's area. In view of the findings contained in the Report, the Minister is satisfied that the continuance of Mr. Good on the list of persons supplying drugs or appliances would be prejudicial to the efficiency of the service, and he has accordingly decided, in pursuance of Section 15 (5) (*b*) of the National Insurance Act, 1911, and of all other powers enabling him, to remove Mr. Good's name from the list. This decision will take effect from May 1, 1921. It has also been ordered that Mr. Good shall pay the costs of the Insurance Committee in connection with the inquiry. Should Mr. Good desire to apply for reinstatement to the list at any time after the expiration of twelve months from the date of his removal, the Minister would be prepared to give consideration to such application on its merits. The complaint against the respondent was that he had persistently supplied short weight and short measure, and endeavoured to impose upon the drug fund of the Insurance Committee, that he has altered or added to divers prescriptions issued to insured persons. A total of twenty-three scripts was involved. In the opinion of the Inquiry Committee the following conclusions were drawn: That the respondent had consistently during August supplied short weight and/or short measure to insured persons, and that he offered no reasonable explanation of his conduct in which he was guilty of gross carelessness and for which is deserving of severe censure; that he, during August, altered in material respects, and dispensed as altered, various medical prescriptions, and that he was unable to give and/or did not give any reasonable explanation of his conduct. With regard to an inquiry concerning the supply of medicines by Mr. A. J. Trebilco, of the same city, the Minister of Health has decided that his name should not be removed from the list of persons supplying drugs or appliances, and that the costs of the Insurance Committee shall be borne by him. In view, however, of the serious breaches of the terms of service, disclosed by the Report of the Inquiry Committee, the Minister has taken into consideration the question of withholding a portion of the Exchequer grant payable to the Bristol Insurance Committee, and fifty pounds (50*l.*) must accordingly be withheld. This sum will be deducted by the Insurance Committee from Mr. Trebilco's remuneration. The complaint was that respondent had persistently supplied short weight and short measure and endeavoured to impose on the drug fund. The Inquiry Committee reported that, as the respondent supplied half the proper quantity of gauze on no less than thirty-two occasions spread over a considerable period of time, and supplied short measure of various drugs, ointments, and medicines on several occasions, he was guilty of gross carelessness and is deserving of severe censure. That the respondent ought not to be allowed to shelter himself behind his assistant, for whose act or default he must be regarded as responsible. That the respondent was not on any occasion guilty of any fraudulent intent. That as, in addition to his general business, he had to dispense on the average some 240 prescriptions per week for insured persons, it is possible that his carelessness and the carelessness of his assistant is, to some extent, due to overwork. On both occasions the Inquiry Committee consisted of Mr. W. V. Ball, O.B.E., barrister-at-law, Mr. P. F. Rowsell, J.P., and Mr. J. W. Willis-Bund, C.B.E., J.P.

Java Cocaine Factory.—The Java Government has granted permission to the firm of Geo. Wehry & Co. to establish a cocaine factory under the style of Java Cocaine Fabrieken. This permission is subject to withdrawal, and the cocaine manufactured may only be exported in agreement with the existing regulations.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts

Reports from Local Centres.

ENGLAND.

Surrey.—A meeting of the County Insurance Committee was held on April 27. The Medical Benefit Sub-Committee reported that three chemists had resigned from the panel; also that the sub-committee appointed in regard to the testing of drugs had issued their report, and, as the Ministry of Health is considering the matter, it is not considered advisable to take any action. The Sub-Committee has no reason to believe that chemists are dispensing improperly. The County Pharmaceutical Committee is to be invited to suggest a method of satisfying the Insurance Committee that chemists are supplying a proper standard of drugs and appliances. Advances and balances to chemists amounted on March 23 to 1,690*l.* 7*s.*, and on April 20 to 1,935*l.* 16*s.* 6*d.* Pharmaceutical Committee's deductions from chemists' accounts amounted to 41*l.* 15*s.* 3*d.* and 43*l.* 9*s.* 3*d.* at the same periods.

Warwickshire.—The Pharmaceutical Committee met at Leamington on April 20. The new terms for Insurance dispensing were discussed, and considered on the whole satisfactory; but it was decided that the use of distilled water for dispensing in the Warwickshire area was imperative, and the secretary was instructed to communicate with the Insurance Committee to that effect. Several communications from the Ministry of Pensions as to dispensing of prescriptions for Ministry of Pensions Clinics were received, and it was decided to circulate the information to chemists dealing with such prescriptions.

Wolverhampton.—A meeting of the Pharmaceutical Committee was held on April 20, when the 1921 terms for Insurance dispensing were recommended for acceptance by the panel chemists, whose meeting (under the chairmanship of Mr. F. J. Gibson, J.P.) followed. Votes of sympathy were passed to Mr. F. W. Fowke (Stafford) on the death of his wife, and to Mrs. Deakin. Messrs. Martyn's offer to supply malt and oil for the tuberculosis prescriptions at cost price was accepted. The following statistical data were supplied :

	No. of Prescriptions	Av. Ingred. Price	Dispensing
For year ended Dec. 31st.	... 83·756	... 5·41*d.*	... 4·96*d.*
For quarter ,, ,,	... 19·371	... 5·47*d.*	... 4·93*d.*

April Drug Tariff.

The following are the alterations for April in the Drug Tariff for England and Wales, issued by the Ministry of Health :

New Prices.—Aq. laurocerasi, 1*s.* 2*d.* lb.; aq. sambuci ex conc., 17*s.* 3*d.* lb.; boroglycerin., B.P.C., 3*s.* 2*d.* lb.; capsul. creosoti, ♏j., 2.9*d.* doz.; capsul. creosoti, ♏iij., 3.6*d.* doz.; capsul. ol. santal., ♏v., 10.8*d.* doz.; carbo. lig. pulv., 6*d.* lb.; chartæ sinapis, 9.0*d.* doz.; chlorodynum, B.P.C., 7*s.* 8*d.* lb.; collod. meth., 4*s.* 3*d.* lb.; dec. aloes co. conc., 4*s.* 6*d.* lb.; elixir acetomorph. et terpin., B.P.C., 5*s.* lb.; emuls. chlorof., B.P.C., 1*s.* 11*d.*; cxt. colchici liq., 26*s.* 3*d.* lb.; ext. grindel. liq., 6*s.* 8*d.* lb.; ext. hamamel. liq., 8*s.* 2*d.* lb.; ext. hydrast. liq., 5*s.* 6*d.* oz.; ext. ipecac. liq., 2*s.* 8*d.* oz.; ext. malt liq., B.P.C., 1*s.* 7*d.* lb.; cxt. nuc. vom. liq., 9*s.* lb.; cxt. opii liq., 7*s.* lb.; ext. thyroid. liq., 2*s.* 6*d.* oz.; glyc. plumbi subacet., 3*s.* 8*d.* lb.; guaiacol liq., 2*s.* 6*d.* oz.; inf. chiratæ ex conc., 3*s.* lb.; inf. scoparii ex conc., 3*s.* 1*d.* lb.; inf. uvæ ursi ex conc., 2*s.* 11*d.* lb.; lini sem. contus., E.I. (14-lb. lots), 54*s.* cwt.; lin. aconit. co., B.P.C., meth., 7*s.* 4*d.* lb.; lin. album., B.P.C., 2*s.* 1*d.* lb.; lin. methyl sal., B.P.C., 9*s.* lb.; liq. ammon. acet. fort., 1*s.* 9*d.* lb.; liq. cocci, B.P.C., 8*s.* lb.; liq. copaibæ et buchu et cubeb., B.P.C., 12*s.* lb.; liq. ferri acet. 1*s.* 6*d.* lb. liq. pancreatis, 8*s.* lb.; liq. rosæ dulc., 4*s.* 10*d.* lb.; liq. santal. co., B.P.C., 13*s.* lb.; ol. carbolat., 5 per cent., 3*s.* 8*d.* lb.; ol. cinnam., 10*s.* 3*d.* oz.; ol. cubebæ, 6*s.* oz.; ol. limonis, 7*s.* 8*d.* lb.; pil. aloini co., B.P.C., 1.0*d.* doz.; pil. calomel. et colocynth., B.P.C., 1.7*d.* doz.; pil. calomel. coloc. et hyos., B.P.C., 1.7*d.* doz.; pil. codeinæ, gr. ½, 5.8*d.* doz.; pil. ferri et arsen., B.P.C., .9*d.* doz.; pil. ferri valer. co., B.P.C., 7.5*d.* doz.; pil. hyd. c. rheo., B.P.C., 1.5*d.* doz.; pil. morph. hyd., gr. ¼, 2.8*d.* doz.; pil. pulv. opii, gr. ½, 1.2*d.* doz.; pil. pulv. opii, gr. 1, 1.5*d.* doz.; pil. scillæ co., 1.1*d.* doz.; pulv. catechu co., 6*s.* 2*d.* lb.; pulv. seammon. co., 12*s.* 10*d.* lb.; pulv. stramon. co., B.P.C., 6*s.* 4*d.* lb.; quin. salicyl., 8*s.* 2*d.* oz.; salicin., 3*s.* 4*d.* oz.; sod. citras, 5*s.* 2*d.* lb.; sod. glycerophos., 1*s.* 7*d.* oz.; sod. hypophos., 9*d.* oz.; sp. ammon. fetid., 8*s.* 10*d.* lb.; sp. anisi, 23*s.* 3*d.* lb.; sp. cajuputi, 9*s.* 6*d.* lb.; sp. camph., 8*s.* lb.; sp. menth. pip., 27*s.* 6*d.* lb.; succ. bellad., 3*s.* 2*d.* lb.; succ. conii, 3*s.* 6*d.* lb.; succ. hyoscyam., 3*s.* 10*d.* lb.; syr. ipecac., B.P.C., 2*s.* 8*d.* lb.; syr. papav., '85, 2*s.* 6*d.* lb.; syr. rhœados, 1*s.* 10*d.* lb.; tab. acetanilid., gr. v., 1.6*d.* doz.; tab. Blaud, gr. v., 1.4*d.* doz.; tab. Blaud, gr. v., et arsen., gr. 1/100, 1.6*d.* doz.; tab. calc. lact., gr. v., 1.8*d.* doz.; tab. hexaminæ, gr. v., 2.3*d.* doz.; tab. laxativ. co., 2.2*d.* doz.; tr. aloes, 5*s.* 4*d.* lb.; tr. bryoniæ, 7*s.* lb.; tr. buchu, 10*s.* 6*d.* lb.; tr. calumb., 4*s.* 9*d.* lb.; tr. carmin., B.P.C., 11*s.* 6*d.* lb.; tr. chlorof. co., '85, 6*s.* 8*d.* lb.; tr. cimicifugæ, 5*s.* 8*d.* lb.; tr. cinchonæ, 5*s.* 8*d.* lb.; tr. colchici, 8*s.* 2*d.* lb.; tr. ergot. ammon., 9*s.* lb.; tr. guaiaci, B.P.C., 10*s.* lb.; tr. hydrastis, 12*s.* lb.; tr. iodi decolorat., B.P.C., 7*s.* 8*d.* lb.; tr. jaborandi, '98, 4*s.* 9*d.* lb.; tr. krameriæ, 5*s.* 6*d.* lb.; tr. limonis, 22*s.* lb.; tr. lobeliæ, '85, 6*s.* 8*d.* lb.; tr. myrrhæ, 8*s.* 6*d.* lb.; tr. podophylli, 10*s.* lb.; tr. pruni virg., 6*s.* lb.; tr. quillaiæ, 5*s.* 8*d.* lb.; tr. quininæ, 24*s.* 9*d.* lb.; tr. senegæ, 6*s.* 8*d.* lb.; tr. stramon., 4*s.* 9*d.* lb.; tr. sumbul., 10*d.* oz.; tr. valerian., '85, 6*s.* 4*d.* lb.; tr. zingib. fort., '85, 8*s.* 3*d.* lb.; troch. bismuthi co., 4*s.* 6*d.* lb.; troch. glycyrrh., B.P.C., 3*s.* 6*d.* lb.; troch. kino eucalypt., 5*s.* lb.; troch. krameriæ, 4*s.* 4*d.* lb.; troch. kramer et cocain., 8*s.* 3*d.* lb.; troch. morph. et ipecac., 4*s.* lb.; troch. sulphuris, 3*s.* 3*d.* lb.; ung. boracis, B.P.C., 3*s.* 8*d.* lb.; ung. calaminæ, '85, 3*s.* 10*d.* lb.; ung. capsici, 3*s.* 2*d.* lb.; ung. gallæ, 3*s.* 6*d.* lb.; ung. hamamel., 4*s.* 3*d.* lb.; ung. hyd. subch., 4*s.* 9*d.* lb.; ung. ichthamol., B.P.C., 4*s.* 3*d.* lb.; ung. iodi denigres., B.P.C., 4*s.* 3*d.* lb.; ung. metallorum, B.P.C., 2*s.* 9*d.* lb.; ung. methyl. sal., B.P.C., 6*s.* lb.; ung. methyl. sal. co., B.P.C., 11*s.* 6*d.* lb.; ung. methyl. sal. co. dil., B.P.C., 6*s.* lb.; ung. methyl. sal. dil., B.P.C., 5*s.* 7*d.* lb.; ung. picis carb. co., B.P.C., 1*s.* 10*d.* lb.; ung. plumbi acet., 3*s.* 4*d.* lb.; ung. plumbi subacet., 2*s.* 10*d.* lb.; ung. resorcin, B.P.C., 8*s.* 2*d.* lb.; ung. resorcin co., B.P.C., 8*s.* 6*d.* lb.; ung. "scarlet red." 5 per cent., 10*s.* lb.; ung. simplex, 4*s.* 6*d.* lb.; ung. sulph. co., B.P.C., 2*s.* lb.; vin. ferri, 5*s.* lb.; vin. pepsin., B.P.C., 6*s.* 8*d.* lb.

Lower.—Acid. acetylsal. pulv., 4½*d.* oz.; acid. boric (crystals), 1*s.* 2*d.* lb.; acid. boric. (pulv.), 1*s.* 3*d.* lb.; acid. carbolic. (detached crystals), 1*s.* 8*d.* lb.; acid. carbolic. liq., 1*s.* 6*d.* lb.; acid. tannic., 9*s.* lb.; acid. tartaric pulv., 2*s.* 5*d.* lb.; adeps benz., 2*s.* 4*d.* lb.; adeps præp., 1*s.* 11*d.* lb.; argent. nit., 3*s.* 8*d.* oz.; argent. nit. indur., 3*s.* 9*d.* oz.; borax pur. pulv. (in 14-lb. lots), 61*s.* cwt.; caffeina, 3*s.* 4*d.* oz.; caffein. cit., 2*s.* 2*d.* oz.; camphora (flowers), 6*s.* 10*d.* lb.; cocain. hydrochlor., 3*s.* 8*d.* dr.; collod. aceton., B.P.C., 7*d.* oz.; copaiba, B.P., 5*s.* 6*d.* lb.; ext. glycyrrh. liq., 4*s.* 9*d.* lb.; ext. malti, 1*s.* 3½*d.* lb.; ext. malt. c. ol. morrh., B.P.C., 1*s.* 5½*d.* lb.; cxt. nucis vom. sicc., 1*s.* 3*d.* oz.; ferri et quin. cit., 1*s.* 8*d.* oz.; iodoformum pulv., 2*s.* 2*d.* oz.; lin. terebinthinæ, 2*s.* lb.; lin. tereb. acet., 3*s.* lb.; liq. formaldheyd., 2*s.* 2*d.* lb.; lithii cit. effervesc., 4*s.* 9*d.* lb.; mag. sulph. effervesc., 2*s.* 8*d.* lb.; menthol, 2*s.* 9*d.* oz.; morph. acet., 3*s.* 4*d.* dr.; morph. hydrochl., 19*s.* oz.; ol. caryoph., 12*s.* 6*d.* lb.; ol. menth. pip. (redistilled), 52*s.* 3*d.* lb.; ol. morrhuæ (Norwegian opt.), 10*s.* 6*d.* gal.; ol. olivæ (sublime), 22*s.* gal.; opium pulv., 2*s.* 2*d.* oz.; paraff. mol. alb., 2*s.* 3*d.* lb.; pepsin, 3*s.* 8*d.* oz.; pil. digitalis co., B.P.C., 1.0*d.* doz.; pil. hydrarg. c. creta et opio, B.P.C., 1.1*d.* doz.; pil. rhei co., gr. iv., 1.2*d.* doz.; potassa sulphurata, 3*s.* lb.; pot. nit., 1*s.* 6*d.* lb.; pot. permang., 3*s.* 6*d.* lb.; pot. tart. acid., 2*s.* lb.; pulv. glycyrrh. co., 1*s.* 9*d.* lb.; sapo mollis, B.P., 2*s.* 4*d.* lb.; sodii chlor., 1*s.* lb.; sodii citrotart. eff., 2*s.* 10*d.* lb.; strych. hydrochlor., 13*s.* 9*d.* oz.; succ. tarax., 3*s.* 4*d.* lb.; sulphur. sublim., 6½*d.* lb.; tab. Easton, 1 dr., 2.9*d.* doz.; tab. Easton, ½ dr., 2.2*d.* doz.; tab. phenacetin., gr. v., 2.6*d.* doz.; tab. phenacetin. co., B.P.C., 3.2*d.* doz.; tab. phenolphthalein, gr. ii., 1.6*d.* doz.; tab. pot. chlor., B.P.C., gr. v., .3*d.* doz.; tab. salol., gr. v., 1.9*d.* doz.; tab. santonin., gr. i., 13.8*d.* doz.; tab. santonin. co., B.P.C., 14.1*d.* doz.; tab. sulphonal., B.P.C., gr. v., 5.0*d.* doz.; terebenum. 4*s.* 9*d.* lb.; theobrom. et sod. salicyl., 2*s.* oz.; thymol. 3*s.* 8*d.* oz.; tr. camph. co., 4*s.* 3*d.* lb.; tr. digitalis, 5*s.* 8*d.* lb.; ung. acid. boric., B.P., 2*s.* 2*d.* lb.; ung. ac. carbol., 2*s.* 8*d.* lb.; ung. bellad., 10½*d.* oz.; ung. gallæ c. opio, 5*s.* 8*d.* lb.; ung. hydrarg., 3*s.* 10*d.* lb.; ung. hyd. ammon., 3*s.* 3*d.* lb.; ung. hyd. am. dil., B.P.C., 3*s.* 2*d.* lb.; ung. hyd. oleat., 4*s.* 9*d.* lb.; ung. staphisagriæ, 4*s.* 3*d.* lb.; ung. sulphuris, 2*s.* 4*d.* lb.; ung. zinci, 2*s.* 3*d.* lb.; zinci sulphocarb., 3*s.* 4*d.* lb. Soft rubber catheters (over 12), 12.0*d.* each.

Higher.—Alum. purif. pulv., 1*s.* 7*d.* lb.; lin. methyl. sal. co., B.P.C., 11*s.* 6*d.* lb.; ol. ricini, 1*s.* lb.; santonin., 52*s.* 6*d.* oz.; ung. resinæ, 3*s.* 2*d.* lb.

The Standardisation of Pharmaceuticals.

The Sheffield Pharmaceutical and Chemical Society held the concluding meeting of the session on April 20, Mr. E. Preston, Ph.C. (President), in the chair. The financial organiser of the Joint Hospitals' Board, Mr. Lamb, first addressed the meeting. After referring to the serious financial position of the hospital, he suggested that employers should ask their assistants to subscribe one penny per pound of their wages weekly. The matter was referred to the Retail Pharmacists' Union meeting. Mr. J. Gilbert Jackson then spoke of the death of Mr. J. W. Deakin, and moved that a vote of condolence be sent to the family. This was agreed to in silence. Mr. A. J. Jones, Ph.C. (Evans Sons Lescher & Webb, Ltd.), next read his paper on *The Standardisation of Pharmaceuticals*:

The author remarked that the popular conception of standardisation seemed to him to be only the outskirts of it, as its application really begins at the collection of the crude drug and ends (so far as the pharmacist is concerned) with administration to the patient. It is frequently difficult to distinguish between commercial and scientific standardisation, because what starts as the one may end in the other. The object of pharmaceutical practice is the manipulation of causes to produce particular effects, and it is the effect required that is really our standard. One of the essentials of standardisation is the fixing and definition of cause in relation to effect. We must at all times be prepared to review our standards. What we consider an essential standard may be of only secondary importance, the real effective agent being hidden, though perhaps measured by the conditions we have set up in our standard preparation. For example, an analyst might discover a solanaceous alkaloid in a mixture; but whether it was originally present as pure alkaloid or as green extract of hyoscyamus would perhaps be beyond him. The distinction might, however, have an important bearing on the precise behaviour of the product. Mr. Jones suggested that all drugs and methods of treatment that have the appearance of becoming stabilised as part of general medicine should be officially standardised and the reasons given as to why the special method is advocated. Obscurity in medicine or pharmacy is bad. Medicine to the doctor is like a reagent to the chemist, and if the latter cannot rely on his reagents he cannot rely on his results. A physician might prescribe cod-liver-oil emulsion, B.P.C., or he might leave the matter open. As the B.P.C. preparation is made with eggs and others are frequently prepared with alkali, there is a vast difference in efficacy, owing to the absence of eggs and the vitamine content in the oil being destroyed by alkali. There is a method of standardisation conducted with the best intentions, but the aim is often in danger of falling short of its object. This is found in connection with our crude drug preparations, and in these cases we base our standard on the weight of certain extractive matter, which we call alkaloid, or upon its basicity. With a glucoside we probably determine one of its degradation products. When it is an alkaloid like strychnine, there is not much room for question; but when it belongs to a group of solanaceous alkaloids or to the aconitines, the ground is by no means safe. Weight and basicity will not of necessity give much information about a preparation. Two preparations of belladonna giving identical assay figures may be wide apart in their true composition. Some variations may be due to the process of assay. The author considers that when dealing with such extracts as hyoscyamus and belladonna, where the alkaloids are so ready to disintegrate and revert to other bodies on the least possible inducement, the mere assay figure is not a necessary criterion of the value of the extract. It is a guide we could not possibly afford to drop, but the main consideration in these cases should be the process of manufacture. If the manufacture is good the assay estimates its value; if the manufacture is bad it is not certain what the test represents. Another instance of fictitious standardisation is in thyroid tablets. Some makers standardise their tablets to a given iodine content; others convey this inference on the label, but apparently stick to the gland itself as the basis. Others, again, do not refer to iodine content at all. Among a series of samples from eight different sources the speaker had found 0.22, 0.27, 0.32, 0.54, and 0.61 per cent. of iodine, calculated on dry gland. Mr. Jones quoted as follows from a lecture given by a pharmacologist: "The presence of iodine in thyroid is no proof that the activity of the organ is dependent on its iodine content, for one function may be to absorb iodine, another to provide a specific internal secretion. Moreover, the iodine content of thyroid is subject to much variation and influenced by the amount of iodine in food. Thyroid of dogs may be made iodine-free, yet still function." Such matters, continued the speaker, do not appear to have attracted the attention of the public analyst. He prefers the safer ground of camphorated oil, the amount of potassium iodide in a mixture, or the total solids in tinct. benz. co. The standard that a tinct. benz. co. containing 18 per cent. of total solids ensures the purchaser getting goods of the quality and substance demanded is one of the most incompetent standards we have. The total solids have a relation to the Pharmacopœial tincture, but without other check do not prove that it is of the quality and substance demanded. It is an easy matter to put a little exhausted tolu into a tincture deficient in total solids, and an analyst will approve this tincture as being exactly what the customer requires. It is remarkable how major things are left in the hands of the pharmacist and minor things taken to court. The public analyst never complains of the pharmacist's tincture of digitalis, and is never known to have expressed an opinion on ergot preparations. He checks the potassium iodide a hundred times, the digitalis never. As regards pharmaceutical chemicals and preparations, standards should be set with special reference to physiological effect. Bare statements without reason are insufficient, and demands having little regard to the uses of the article should not be made. All impurities that are physiologically objectionable or are objectionable on account of their reactivity should be clearly specified as such. A general discussion on the paper followed, Messrs. Jackson, Antcliffe, Austen, Bown, Culverhouse, and Knowles taking part. It was suggested that the third sample under the Food and Drugs Acts should be forwarded to London as a referee sample, without giving the results of the public analyst, and that either the Society or the Retail Pharmacists' Union should demand this in fairness to the retailer. Mr. Jones was cordially thanked for his paper.

Business Changes.

Mr. Fred Archer, chemist and druggist, is opening a pharmacy at Hatton Road, Hatton, Derbyshire.

Ascott's Pharmacies, Ltd., Harrow Road, London, N.W., have purchased the business of the late Mr. E. Dawson, chemist and druggist, 80 Pittshanger Lane, Ealing, W. 5.

Mr. W. J. Lewis, chemist and druggist, Hinckley Road, Leicester, has purchased the business of Mr. B. T. J. Elliott, chemist and druggist, 105D London Road, North End, Portsmouth.

The offices of the Retail Pharmacists' Union and the Chemists' Defence Association, Ltd., have been removed from Temple Chambers, London, E.C. 4, to 19 Tavistock Square, W.C. 1. (telephone, Museum 8091), and those of the Proprietary Articles Trade Association to 18 Tavistock Square (telephone, Museum 8088). These two houses in Tavistock Square provide ample accommodation for the R.P.U., the C.D.A., and the P.A.T.A. The P.A.T.A. general offices will occupy the first floor of No. 18, other rooms in this house being sublet. The R.P.U. and the C.D.A. will have the whole of No. 19. The general offices will be on the first floor, and ample accommodation for meetings of the Executive has been provided. The Council-room, with a smaller committee-room adjoining, is situated on the ground floor. These rooms are accessible from the entrances of Nos. 18 and 19.

Chemical Society.

At the meeting of the Chemical Society, held in Burlington House, London, W., on April 21, the President, Sir Robert Walker, being in the chair, Mr. F. Challenger (with Mr. C. F. Allpress) read a paper on *Organo-derivatives of Bismuth. Part IV. The Interaction of the Halogen Derivatives of Tertiary Aromatic Bismuthines with Organo-derivatives of Magnesium and Mercury.* The authors embodied in their paper certain observations made in the course of experiments conducted with a view to obtaining some definite compounds of bismuth, when bodies of the formula $(C_{10}H_7)_2BiCl$ were exposed to Grignard's reaction. In these cases it was found that a symmetrical bismuthine was obtained, but the presence of an excess of reagent was required in every instance. The same reaction, when carried out with the antimony and arsenic compounds of the same group, always resulted, however, in the production of the tertiary element, whereby the phenyl compound is isolated. In concluding, the authors discussed the question of the transference of groups in these compounds.

Mr. J. A. N. Friend's paper, entitled *A Colloid Theory of the Corrosion and Passivity of Iron and of the Oxidation of Ferrous Salts,* brought many interesting observations to light, based on the author's investigations, on the processes involved in the corrosion of iron. He referred to the two theories advanced to explain this phenomenon. The first assumes that iron in contact with air and water and a trace of acid undergoes corrosion in consequence of the formation of iron carbonate. The second theory assumes that ionic iron in contact with water yields a hydroxide, whereby hydrogen is liberated. The author then dealt with the corrosion of iron in water, mentioning the fact that sea water and ordinary water both exhibit the same degree of corrosive effect on iron at a temperature of 13°, but at higher temperatures the corrosive action of sea water on iron decreases, ceasing entirely when the sea water reaches a temperature of 32°. He then proceeded to describe numerous experiments, illustrated by means of slides, undertaken to determine the rate of corrosion in water, and the effect of the constant flow of water on iron, whereby he found that less corrosion took place when the rate of flow of the water was increased, even on adding air to the flow of water. The author attributes corrosion to the formation of colloidal iron sol, and also discussed the action of various salts on the corrosive process and the rôle played by protective colloids. Iron does not corrode, and becomes passive, in nitric acid, but corrosion sets in when a trace of alkali is present. Mr. Friend also dealt with the effect of various salts and of radium on corrosion, mentioning that corrosion was greatest in the presence of chromates. Corrosion was not merely a chemical process, but was a colloidal manifestation.

Professor G. T. Morgan (with Mr. J. D. Smith) presented a paper on *Researches on Co-ordination and Residual Affinity. Part IV. The Constitution of Simple and Complex Cobaltic Quinoneoxime Lakes,* in which he referred to the association of cobalt, iron, and chromium in the group of mordant dyes belonging to this series. The combination of cobalt and of ammonia with these isonitroso-compounds and the resulting substances were discussed, whereby the cobalt is so attached to the isonitroso group that it loses its combination power for ammonia. The proportion of cobalt atoms to ammonia groups entering a compound of this description is always constant, the number of ammonia groups being = 5 (number of cobalt atoms —1). Numerous slides were shown in illustration of the co-ordination theory in respect of these compounds, Professor Morgan mentioning that one of these had a molecular weight of 1634.

Owing to the advanced hour, Mr. N. V. Sidgwick had to condense his three papers on *The Influence of Position on the Solubilities of the Substituted Benzoic Acids* (with Mr. E. K. Ewbank); *Influence of Position on the Solubility and Volatility of the Mono- and Dinitro-phenols* (with Mr. W. M. Aldous), and *The Solubility and Volatility of the Chloro- and Nitro-anilines and their Acetyl* Derivatives (with Mr. H. E. Rubie). The properties which make for abnormal vapour pressures and solubilities of these compounds were discussed very briefly, reference being made to the relationship existing between the solubilities of nitrophenol, hydroxytoluic acids, and chlorobenzols, as well as the relationship between the solubility of the respective ortho and para compounds in different solvents, in one case the solubility being: in water, 0.39; in alcohol, 1.6; in ether, 27; and in benzol, 193. Mention was made of the fact resulting from these investigations that the lower the dielectric constant, the greater the solubility.

Spanish Olive Oil.

In the course of a general report on the industries and commerce of Spain by Captain U. de B. Charles, Commercial Secretary to H.M. Embassy, Madrid, mention is made of the fact that Spain is the largest producer of olive oil in the world. By far the most productive regions are the provinces of Jaen, Cordova, and Seville, where it is estimated that over 3,850,000 acres are planted with olive trees. During recent years the cultivation of the olive orchards has received consideration attention. Superficial cultivation has been adopted through the hot summer months to keep down the weeds. After the harvest, which takes place in September and October, the orchards are usually cultivated to a depth of about eight inches, in order to make the land receptive of the late autumn and winter rains. The most important mills for the pressing of the fruit and extraction of the oil are situated in Malaga and Cordova. It is of great importance that the fruit should be pressed as soon after it is picked as possible. Fine-grade olive oil should not contain more than 3 per cent. of acidity, and it is estimated that not more than 25 per cent. of the production can be so classified. The pulp left after these pressings, which contains about 10 per cent. of oil, is the basis of the manufacture of soap in Spain, and large quantities are exported for this purpose. After the extraction of this pulp, the residue, known as "picon de orujo," is used largely all over Spain in braziers, for which it is superior to charcoal, as it generates considerable heat and gives out no smoke or fumes.

From the above it will be seen that the olive-oil industry is an exceedingly important one for the country, not only from the value of the edible product, but from the fact that there is practically no waste, and, with improved methods of production, the quantity of high-grade oil produced is steadily increasing. The latest returns show that the crop of olives for 1918 was 14,000,000 metric quintals, estimated to produce 2,550,000 quintals of oil, against 18,000,000 metric quintals of olive, estimated to produce 3,360,000 metric quintals of oil, in 1919. The figures for 1920 are approximately 13,500,600 metric quintals of olives to produce 2,632,500 quintals of oil, a considerable decrease over that for 1919, due largely to the failure of the Cordova crop. The litre of oil, sold in 1914 for ptas. 1.10, reached the high price of ptas. 3.60 or 4 in 1920. The Spanish Government has in the last three years introduced restrictive measures on exportation of olive oil, which during the same period increased from 81,615 tons to 112,271 tons, with a view to assuring that the high prices offered abroad should not reduce the supply below the needs for domestic consumption. An export tax was also introduced. These restrictions not attaining their object, total prohibition of export was introduced in October 1920, with the result that only 40,000 tons were exported during that year.

Arseniuretted Hydrogen caused, according to evidence given at an inquest held recently at Oswaldtwistle, the death of an employee at a local works.

Speaking at a Press view of a film depicting the mining of nickel ore, Mr. Robert Mond (The Mond Nickel Co., Ltd.) claimed that his company's Canadian mines supply 75 per cent. of the nickel of the world. A considerable surplus of nickel bullet-casings from Woolwich Arsenal, he added, was applied to the minting of the new silver coinage.

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Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Lighting Restrictions.

Mr. Bridgeman, on April 21, stated in the House of Commons that the question whether the drastic restrictions upon lighting adopted during the recent war should be reimposed during the present emergency has been carefully considered, but he is of opinion that it would be inadvisable to adopt them in their entirety. He is not, however, satisfied that the present restrictions are in all cases being fully observed, and it has therefore been found desirable to call the special attention of local authorities and public utility undertakings to the need for strict compliance with the directions already issued.

Profiteering Act.

The President of the Board of Trade, on April 25, stated in the House of Commons that the Profiteering Act Department of the Board of Trade (including the Central Committee) employ a staff which at present numbers eighty-one, the salaries for the month of March amounting to 2,322*l*. The total expenditure of the Board of Trade (excluding office rent, lighting, and stationery) in administering the Acts during this month was 3,323*l*. This includes the expenses of the Central Committee and of appeal tribunals, but not those of Local Committees, which are defrayed out of the local rates. Since January 1 fifteen prosecutions have been determined, of which eleven were successful. The Acts expire on May 19, and the Department will be wound up so soon as possible after that date.

Postage on Typewritten Circulars.

Mr. Irving, on April 22, asked the Postmaster-General if he is aware that to obtain the rate of ½*d*. postage at least twenty letters must be handed in at the post offices; that if only fifteen letters are posted the rate of postage is 2*d*. each, so if the sender includes five dummy letters he can save 1*s*. 8*d*.; whether he is aware that this is resulting in waste; and if it is possible to take such steps as will remove this anomaly.

Mr. Pease, in reply, said: The Regulation referred to relates to circulars printed in imitation of typewriting or reproduced by a mechanical process from a typewritten original, which if handed in at the counter of a post office, in a batch of not less than twenty identical copies, are admissible at the inland printed paper rate. Such circulars are in many cases difficult to distinguish from typewritten letters; and the object of the Regulation is to exclude an ordinary typewritten letter from the benefit of a rate intended to apply to circulars. He was not aware that there is any general practice such as the hon. member suggests, and he did not think it was necessary to alter the Regulation.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, May 2.

Manchester and Salford Chemists' Assistants' Association, Albion Hotel, Manchester, at 8.15 P.M. Meeting.

Wednesday, May 4.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 A.M. Council meeting.

Thursday, May 5.

Chemical Society. Burlington House, Piccadilly, London, W. 1, at 8 P.M. Lecture.

Saturday, May 7.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W. 1, at 3 P.M. Mr. E. C. C. Baly, F.R.S., on "Chemical Reaction" (Lecture I.).

Japan and the Metric System.—The Japanese Parliament intends making the metric system obligatory in Japan. It has been optional in Japan since 1893, when the decimal system was adopted side by side with the Japanese weights and measures.

Personalities.

Mr. Thomas England, chemist and druggist, Romford, has been elected chairman of the urban district council for the ensuing year.

Mr. F. J. Gibson, J.P., chemist and druggist, Wolverhampton, has been elected chairman of the dispensary committee of the local board of guardians.

Mr. F. A. Willcock, chemist and druggist, Wolverhampton, has been elected chairman of the diocesan council of the Wolverhampton rural deanery.

Mr. Thomas Matthews, J.P., retired chemist, Ross (Herefordshire), has been re-elected vice-chairman of the local urban council and rectors' warden at the parish church.

Mr. W. W. Deakin, brother of the late Mr. J. W. Deakin, writes to express the great appreciation of the family for the many expressions of sympathy which have been received from all quarters of the drug-trade.

Sir William Pope, K.B.E., F.R.S., President of the Society of Chemical Industry, was, on April 22, entertained to dinner by the Newcastle-on-Tyne section of the Society. Dr. J. H. Paterson, chairman of the executive for Newcastle, presided.

Mr. Tom Jays, M.R.C.S., L.R.C.P., has been appointed principal of Livingstone College, London, E. 10, in succession to Dr. L. E. Wigram. Dr. Jays has been vice-principal of the College for some time past, and previously had considerable experience in missionary work.

Mr. J. Edsforth, chemist and druggist, manager of the Market Street, Oldham, branch of Boots, Ltd., in attempting to avoid a collision while driving a motor-cycle and side-car, on April 20, crashed into a tramway standard. His injuries necessitated medical attention at Oldham Infirmary.

Mr. S. E. Walmsley, Ph.C., who is a dispenser at St. Bartholomew's Hospital, London, E.C., has passed the second examination of the Conjoint Board of the Royal College of Physicians of London and the Royal College of Surgeons of England. Mr. Walmsley is the fourth member of Mr. Langford Moore's staff to take up the study of medicine.

Mr. Arthur J. Morison, who is head of the Prichard & Constance organisation in the United States, is at present in London on a business visit. He reports good progress in the sale of "Amami" specialties throughout America, the business slump there having apparently been overcome. Mr. Morison may be addressed c/o Prichard & Constance (Wholesale), Ltd., 469 Holloway Road, London, N. 7.

Mr. Thomas Earnshaw Eastwood, chemist and druggist, the newly elected President of the Manchester Pharmaceutical Association, was born at Skelmanthorpe in 1858. He was apprenticed to the late Mr. Charles Crook, Mirfield, in 1874, and four years later became an assistant with the late Mr. Christopher Harrison, Embden Street, Moss Side, Manchester. In 1881 he joined the staff of James Woolley, Sons & Co., Ltd., with whom he remained until 1887, passing the Qualifying examination in 1882. On leaving Messrs. Woolley he commenced business on his own account at 1 Manchester Road, Fairfield. Mr. Eastwood is an old and greatly respected member of the Manchester Pharmaceutical Association; he is also a member of its council, and has put in considerable service on the local Pharmaceutical Committee.

Photo.] [*Cleworth.*

Mr. T. E. Eastwood.

Birth.

Cane.—At 10 Gloucester Road, South Kensington, London, S.W. 7, on April 21, the wife of W. E. Cane, chemist and druggist, of a daughter.

Marriages.

Davidson—Bird.—At the Baptist Church, Chorley Wood, on April 15, by the Rev. George Hawker, assisted by the Rev. Josiah Haggis, M.A., Captain Leslie Fullerton Davidson, M.C., chemist and druggist, son of Mr. Peter Davidson, Ph.C., Brondesbury, London, N.W. 6, and Chorley Wood, to Iris Dorothy, only daughter of Mr. Arthur Bird, Bedford Street, Strand, and Heronsgate.

Doorly—Coyne.—At St. Andrew's Church, Westland Row, on April 9, by the Rev. J. McMahon, Christopher Doorly, M.P.S.I., Bundoran, son of the late Mr. J. C. Doorly, Roscommon, to Louie, daughter of the late Mr. James Coyne, Castlerea.

Glyn-Jones—Melville.—At St. George's, Palmer's Green, London, N. 13, on April 27, Hildreth, elder son of Sir William and Lady Glyn-Jones, 26 Old Park Villas, to Kitty, youngest daughter of Mr. and Mrs. Thomas Melville, Old Park House.

Graham—Caine.—At the Church of the Immaculate Conception, Stroud, Gloucestershire, on April 14, Andrew Harold Graham, chemist and druggist, youngest son of Mr. A. W. Graham, Melbourne, Australia, to Berenice Hilda, third daughter of Mr. Caine, Huddersfield.

Matthew—Beckett.—At St. Mary's Church, Hawkshaw, Bury, on April 20, by the Rev. J. Edmondson, B.A., Vicar, John Matthew, chemist and druggist, Cudworth, son of Mr. John E. Matthew, M.P.S., "Kinnaird," Montgomery Road, Sheffield, to Martha, elder daughter of Mr. Beckett, Hawkshaw.

Sleath—Embling.—At Iffley, on April 19, by the Vicar (the Rev. O. S. E. Clarendon, B.D.), assisted by the Rev. Hugh Embling, O.B.E., M.A., brother of the bride, Edmund Watson Sleath, Ph.C. (E. W. Sleath & Co., manufacturing chemists, Teneriffe Street, Manchester), to Winifred Saxty, elder daughter of Mr. and Mrs. Embling, Hawkwell, Iffley.

Deaths.

Appleby.—At Uxbridge, recently, Mr. George Henry Appleby, chemist and druggist, Guildford. Mr. Appleby passed the Qualifying examination in 1889.

Ainley.—At 177 Wednesbury Road, Pleck, Walsall, on April 14, Mr. Edward Theodore Ainley, chemist and druggist, aged fifty-four.

Barrett.—At Bournemouth, on April 10, Mr. Frederic Barrett, founder, proprietor, and editor of "The Mineral Water Trade Review and Guardian." Mr. Barrett, who wrote over the name "J. Gilbert Smith," established the organ of the aërated-water trade in 1873. At one time he was also the proprietor of "The Caterer" and "The American Bottler," and he had been chairman of Hepworth & Co., Ltd., printers, Tunbridge Wells, since 1893. The National Union of Mineral Water Manufacturers' Associations owed its origin to a conference convened by him in 1885.

Buse.—At Porthcawl, on April 26, Mr. John Buse, chemist and druggist. Mr. Buse, who qualified in 1894, was in business at Risca for more than twenty years. He was the first manager of the Risca labour exchange—a post he held for eight years. He leaves a widow.

Chrystal.—At his residence, Auchendennan, Lochlomondside, on April 21, Mr. William James Chrystal, senior partner of John and James White, chemical manufacturers, 7 West George Street, and Shawfield, Glasgow, aged sixty-six. Mr. Chrystal was a director of many public companies, and was chairman of Glasgow Royal Exchange.

Deeping.—At his residence, St. Peter's Road, Leicester, on April 24, Mr. William Rollinson Deeping, chemist and druggist, for many years senior representative of John Richardson & Co., Leicester, Ltd., aged seventy-six.

Dow.—At Viewfield, Kinross, on April 22, suddenly, Mr. William Dow, chemist and druggist. Mr. Dow, who qualified in 1879, had been in business at Kinross for a long period.

Iberson.—At 1 Lampside Road, Barrow-in-Furness, on April 14, Mr. John Iberson, chemist and druggist, aged eighty-three.

Juler.—At 17 Alexandra Court, Queen's Gate, London, S.W. 7, on April 23, Mr. Henry Edward Juler, F.R.C.S. Mr. Juler was for many years a well-known London eye specialist. He was consulting ophthalmic surgeon to St. Mary's Hospital and the Royal Westminster Ophthalmic Hospital, and was the author of "A Handbook of Ophthalmic Science and Practice."

McDowell.—At Newcastle, co. Down, on April 18, Mr. Kenneth Cameron McDowell, of Stephen McDowell & Son, chemical-manufacturers, 19 Queen Street, Belfast, aged forty-nine. Mr. McDowell was a member of the Belfast rural district council, and was also well known in Masonic circles.

Mills.—At 64 Twyford Avenue, London, W. 3, on April 21, Mr. Edmund James Mills, F.R.S., D.Sc., F.I.C., LL.D., aged eighty. Dr. Mills was emeritus professor of technical chemistry at the Royal Technical College, Glasgow, and taught the same subject in the University of Glasgow for about forty years. He was the author of monographs on destructive distillation, fuel, and other subjects of technical interest.

Nye.—At Mill Hill, London, N.W. 7, on April 21, Nellie, the wife of Mr. G. L. Nye, chemist and druggist (Allen & Hanburys, Ltd.).

Smith.—At Brecon, recently, of heart failure, Mr. Jestyn Smith, late of J. & R. J. Smith, drug-store proprietors, 70 Mill Street, Trecynon, Aberdare, aged sixty-one.

Waddicor.—At his residence, Homer View, Edgeworth, on April 23, Mr. John Waddicor, senior partner of John Waddicor & Co., wholesale druggists, Bolton, aged sixty-one. Mr. Waddicor was a well-known breeder of racing birds, and his services as a judge at competitions were in frequent request.

Wills.

Mr. Philip Griffith, chemist and druggist, High Street, Shepton Mallet, who died on February 7, left estate of the gross value of 3,599*l.* 5*s.* 6*d.*, with net personalty 3,105*l.* 11*s.* 3*d.*

Mr. Chas. Beddoes Shuker, chemist and druggist, Willestrew, Lamerton, Devon, who died on January 17, left estate of the gross value of 16,716*l.* 6*s.* 9*d.*, of which 12,287*l.* 16*s.* is net personalty.

Mr. George Wrangham Hardy, retired chemist and druggist, West Bank, Alexander Park, Scarborough, who died on October 2, has left property of the value of 10,592*l.* 19*s.* 3*d.*, with net personalty 7,562*l.* 18*s.* 9*d.*

Sir Charles Alexander Cameron, C.B., M.D., analyst, 27 Reglan Road, Dublin, who died on February 27, left personal estate of the value of 11,126*l.* 12*s.* 2*d.* He gives his presentations, medals, and testimonials to his two daughters, Lucie Gerrard and Lena Stanley, 500*l.* and an annuity of 200*l.* to his son Ernest Stuart Cameron, and the residue of his property to his two daughters.

Mr. George Henry Lewis Parsons, Aldrington, Streatham Park, London, S.W., interested in Ashton & Parsons, Ltd., wholesale chemists, La Belle Sauvage, Ludgate Hill, and in Dollands, Ltd., opticians, who died on February 18, left a fortune of 127,335*l.* 19*s.* 8*d.*, the net personalty being 118,054*l.* 11*s.* 10*d.* He gives one preference share in Ashton & Parsons to his son, and the remainder of his shares therein as to one-third to his son and two-thirds to his wife.

Trade Notes.

Swan and Geese Skins for puff manufacturers are sold by Grondard, Maisonneuve & Co., 47A Old Street, London, E.C. 1, who are sole agents for G. Hambis, Poitiers, France.

Curasol Boracic Socks sell at 6*d.* per pair. The makers, the Curasol Sock Co., 19-20 Garlick Hill, London, E.C. 4, offer to forward a sample pair to chemists who send a postcard request.

Season Goods.—Senier's cloth balls and straw-hat cleaner, which were mentioned in this column last week, are specialities of Alfred Senier & Co., 195 Seven Sisters Road, London, N. 4. The window-show offer closes on April 30.

Pasteur-Chamberland Filters.—The British Pasteur-Chamberland Filter Co., 5 White Street, Finsbury, London, E.C. 2, offer to send to chemists a new leaflet descriptive of these filters. A space is left for the chemist's name and address.

Ensign Cameras.—Houghtons, Ltd., Ensign House, 88 and 89 High Holborn, London, W.C. 1, have issued a new catalogue of "Ensign" photographic apparatus and materials which photographic chemists should possess. It can be had on application.

Correction.—Inadvertently the reference, p. 22, was given in the Index to Advertisers in the *C. & D.*, April 23, as the page on which the advertisement appeared of Evans, Adlard & Co., Ltd., Postlip Mills, Winchcombe, R.S.O., Glos. This should have read p. xxxiv.

Household Paints.—Packed paints are sold in many chemists' businesses and are much in demand at spring-cleaning time. Chemists can obtain tint-cards and particulars of "Quality" paints by writing to L. Hall & Co., paint and varnish manufacturers, Darwen.

Photographic Window Dressing.—W. Butcher & Sons, Ltd., Camera House, Farringdon Avenue, London, E.C. 4, issue a booklet containing suggestions for arranging window displays of Butcher's cameras. The material referred to is supplied to chemists who intend making the displays.

"Royal Seal" Coupons.—The time for sending in these coupons in connection with Jules Fréres' hair restorer has been extended to June 1, owing to the restrictions caused by the industrial disturbances. There is a special prize of five pounds for the chemist who sends in the greatest number of coupons.

Sphinx Straw-hat Cleaner.—Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton, send us samples of the Sphinx straw-hat cleaner and the show-cards referring to the article which are sent out to chemists. The article is distinctively packed and the show-cards, unusually attractive, are sent to those purchasing a gross of the preparation.

Koh-i-Noor Tooth-brushes.—The advertising campaign to the public in connection with the Koh-i-Noor tooth-brushes is to be inaugurated this week by a page advertisement in "The Daily Mail." The style of the announcements is shown in the advertisement in this issue. The brushes are obtainable from druggists' sundriesmen.

"Revloc" Lemonade Powder is advertised in this number by E. & G. H. Colver, manufacturing chemists, 23 Ryland Road, Edgbaston, Birmingham. The powder, which is packed in well-decorated tins, is ready sweetened with sugar, the tins selling retail at 1*s.* each. The wholesale trade is confined to the drug-trade. An artistic show-card is supplied with each order.

Serravallo's Tonic.—Mr. J. Serravallo, manufacturing chemist, Tricste, Italy, advertises in this issue the current wholesale prices of Serravallo's tonic, and gives samples of the labels employed in various countries. The agents in the United Kingdom are Wilcox, Jozeau & Co., 49 Haymarket, London, S.W., and Glendenning & Sons, Ltd., 33 St. Mary's Place, Newcastle-on-Tyne.

Titanium White.—Perry & Hope, Ltd., chemical manufacturers and merchants, 1 Leadenhall Street, London, E.C. 3, draw our attention to titanium white, a new pigment of which they are sellers. Full particulars of its production, properties, and uses were given in a lecture read before the Paint and Varnish Society, reprints of which can be had from Perry & Hope, Ltd.

Golden Series Liquid Brilliantine.—A. & F. Pears, Ltd., 71-75 New Oxford Street, London, W.C. 1, have brought out a liquid brilliantine as an addition to the "Golden" series of toilet preparations. The brilliantine is packed in attractive golden bottles with sprinkler tops, and is a nicely perfumed article. It sells retail at the protected price of 1*s.* 9*d.*, and is packed for wholesale sale in packages of six.

Lemofizz.—Since we wrote the note (*C. & D.*, April 23, p. 46) on Lemofizz, the effervescing lemonade powder introduced by Mr. J. E. Garratt, 96 Southwark Street, London, S.E. 1, we have had an opportunity of examining the product. The powder produces a pleasant effervescing beverage, with colour and flavour distinctive of the lemon. The different sizes of the packets were given in the advertisement in last week's issue.

Castile Soap.—We referred recently to the Castile soap manufactured by Honoré Court de Payen of Marseille, under the trade mark "L'Abeille." It is sold in this country by the South London Manufacturing Co., Ltd., 90 and 92 Clapham Park Road, London, S.W. 4, who have sent us a sample of the soap. There are two kinds, white and pale green; both are free from excess of alkali and especially suited for the toilet of women and children.

"Elco" Window Display.—Evans Sons Lescher & Webb, Ltd., advertise in this issue an attractive window decoration for displaying "Elco" brand goods. As will be seen from the announcement, the outfit consists of a large screen in black, with a floral design in colours of cornflowers, and a blue-and-white check border. The stand for display purposes is also supplied, the whole being sent with 5*l.* orders of "Elco" goods with other advertising.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

E/269. Paris green, in quantity.
A/264. "Delanitory" (a chemical agent used in wool manufacture).
P/234. Reynolds' gout specific.
D/254. Simon "Cataplasma Instante."
W/264. "K" regulators.
M/224. Troemner's balances; London supply.
E/214. Cook's soap leaves.
B/214. Machine for capping screw jars and pots.
A/254. Taxol or Taxeol tablets.
B/234. Iodophyll.
B/234. Nasolphan.
D/214. "Court" pumice stone.
S/204. Compound syrup of white pine with tar.
D/134. Automatic hypodermic injection filler for ampoules.
D/184. Corn shield, rubber, lined pink velvet with inflated rim; actual makers.
A/274. Eucalyptus cigarettes (without stramonium).

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C. 4.

Balances, all kinds, J/264
Cloth balls, M/224
Coty's perfumes, R/264
Ectodyne tablets, C/264
Houbigant's perfumes, R/274
Iodinosol, A/264
Jones' Rheumaticura, S/264
Kossolian, S/269
Lediglobin, S/274
McClean's scar caps, S/264
Smith's Cambrian essence, S/264
Sphagnol ointment, Sh/254
Stipendum ointment-pots, H/264
Tertis's dressing, H/264
Tincture presses, T/204
Utosan, L/264

APPRECIATIONS.

"Thanks for your prompt reply to my inquiry. When all other sources have failed you have come to my rescue."—E./224.

Observations and Reflections.

By Xrayser II.

The Death of Mr. Deakin

has robbed British pharmacy of one of its most honoured and useful members, and our loss is the more felt on account of the dramatic, not to say tragic, circumstanees of his death. We were relying upon Mr. Deakin to guide the fortunes of the Retail Pharmacists' Union for the first year—which cannot fail to be a critical one—of its course; and, although we did not all see eye to eye with him in matters pharmaceutical, yet both his character and his abilities gave us confidence in his integrity and essential wisdom. Mr. Deakin entered the Pharmaceutical Council in 1916 as a Progressive, and he was both naturally and by conviction a liberal-minded man. He soon, indeed, ceased to act with the more pronounced Progressive members of the Council, and was, perhaps, too much given to compromise and opportunism; but this is to say little more than that he was preeminently a practical man, one who regarded half a loaf as better than no bread. He took a leading part in the formation of the R.P.U. on lines which I for one cannot approve. He did so no doubt because he believed the course he chose would divide us least, and in this he may have been right; in any case, he was an honest man, and this is not the time to dwell upon his limitations. Probably he would have made a better Chairman of the Executive Committee than any of his colleagues who is likely to be chosen.

The Farewell Address

of Mr. W. Johnston to the Chemists' Defence Association was both interesting and amusing, but I fancy the predominant feeling among his audience after listening to it would be one of satisfaction at the fusion of the Association with the Retail Pharmacists' Union. Mr. Johnston made no secret of the fact that in its early days, at any rate, the C.D.A. owed a good deal to luck; indeed, he went a little further than that. Luck, he said, had never deserted the Association, and the fusion just mentioned may well have been in his mind when saying it, for he regards it as necessary to the future welfare of the Association, and represents his resignation as a sacrifice to that end. It is fair to suppose, then, that the C.D.A. consulted mainly its own interests in amalgamating with the R.P.U. Luck is not a very reliable business asset; it (or something else) has brought the C.D.A. into haven, but we must hope that its future voyagings will have a better assurance of success.

One Local Association

after another is resolving itself into a branch of the Retail Pharmacists' Union, but I confess I do not understand how it is done. Most of the Associations, I suppose, have members that are not retail pharmacists, and are therefore ineligible for membership of the Union. I see that the Western Pharmacists' Association proposes to safeguard the interests of its non-employer members, but we are not told how. In Liverpool they have a section of member-associates (I think that is the term) presumably for purging the Association of the non-employer element, but this has rather too much the look of a pious fraud. And, supposing this method, or some analagous one, adopted, what place have these associates in the meetings of the Association? Is any distinction made between meeting as an Association and meeting as a branch of the Retail Pharmaeists' Union? Most meetings of the Associations are for the discussion of exactly the same business problems as will occupy the Retail Pharmacists' Union. What will the non-employers do in this galley? Or will they be allowed to attend social and scientific meetings only? I hardly know whether to be more sorry for them or for the Associations.

For the Title "Chemist"

as rightfully ours I am as strong a stickler as your correspondent "A Barrister-at-Law," or anybody-else; I agree that legally we only have a right to it, since only to us has it been assigned by statute; but legal right is one thing and moral right another, and in face of the fact that there are thousands of persons practising, and getting their living by practising, chemistry, it seems to me idle to deny them a right to be called what in fact they are. Your correspondent speaks of "chemist" as a "simple and distinctive title." I should hardly call it simple, and it is certainly not distinctive; if it were, we should not have to attach to it, as we do, distinguishing adjectives, such as "analytical," "pharmaceutical," and the rest. Even as used (and rightly used) by us it is virtually qualified by the term "druggist," to which also we have an exclusive statutory right, although we do not so pertinaciously insist upon it. There are, however, many neighbourhoods in which "going to the druggist" is as common a phrase as "going to the chemist," and if antiquity adds value to a title, "druggist" has in this respect the advantage. Let us by all means keep our lawful title, but it is a mistake to defend it on fallacious grounds, or to object to its proper use by others than ourselves, so long as they do not encroach upon our province.

To Exalt One Thing

by depreciating another is a poor sort of game; the title "chemist" does not need to be defended by an attack on "pharmacist." "A. W." admits that the latter may be the more ancient, but condemns it because of its association with poison. He might as well object to the title "parson" because originally it meant a mask or a man wearing a mask, an actor. A word that has borne the honourable meaning it has now since the time of Hippocrates, and that, with its allied terms, occurs frequently in Plato in its present sense, has no more reason to be ashamed of its origin than man of his descent from monkeys, or medicine of its beginnings in magic. In English usage, which is a good deal older than some of your readers seem to think, "pharmacy," "pharmaceutical," and their allies have always had an honourable meaning, and they are more accurately definitive of our craft and its followers than any other that has ever been applied to them. That the public do not appreciate them may be true, but they are at least less strange than "chemist" was when we first assumed that title. We may legitimately be proud of both titles: we have a statutory right to both, and it is almost as foolish to depreciate the one as it would be to relinquish the other.

The Quicksilver Mines

of Idria, in which both cinnabar and native mercury are found, old as they are, must yield the place of historical priority to those of Almaden, in Spain, from which the hydrargyros of Theophrastus was obtained. The Greeks distinguished between native quicksilver and that obtained from cinnabar, calling the former *argyros chytos* (fluid silver), and regarding the latter as an artificial variety. Historically, quicksilver is perhaps the most interesting of the metals. Its fluidity made it an object of wonder, and its fixation was the first object of the old alchemists. To the more mystically inclined of these it was a symbol of the supernatural in Nature, as sulphur was of Nature itself; and if not actually the *prima materia*, it contained it, and was an essential ingredient of the philosopher's stone. The search for the stone was symbolically described as the chase of the flying bird, mercury being, of course, the Bird of Hermes. All this, however, refers not to the mercury of commerce, but to the philosopher's mercury obtained from it by processes so variously described, and in such a mystic jargon, that (as was admitted) only one divinely illuminated could understand them.

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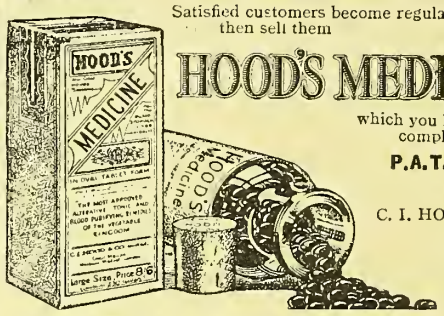

Editorial Articles.

The Budget Statement.

There was nothing inspiriting in the Budget statement made in the House of Commons on April 24 by the Lord Privy Seal on behalf of the recently appointed Chancellor of the Exchequer. With the country in the trough of a wave of severe depression and no possibility of effecting reductions in taxation, the position is in many respects worse than it was last year. The only taxes remitted were the *ad-valorem* tax on sparkling wines and the surtax on cigars, which were imposed last year and defeated their end by diminishing the sale of these articles until the tax collected fell below the revenue derived in the year before last. Otherwise there is no relief of existing taxation, nor was any announcement made of a readjustment of the medicine-stamp duties in accordance with the suggestions which have been placed before the Treasury. In his statement of the Budget estimate last year and the yield, Mr. Chamberlain laid great stress on the fact that in most cases these coincided; but on the whole series of taxes the receipts were 3,425,000*l.* less than was estimated. The yield was 1,031,725,000*l.* In regard to the separate items it is noticeable that the yield on spirits fell short of the estimate by 15,500,000*l.*, due, Mr. Chamberlain said, to the temptation of higher prices on the export trade. He added, "I believe that there is now a large demand for whisky as medicine abroad." Excess-profits duty yielded 219,000,000*l.*, against an estimate of 220,000,000*l.* The corporations profit tax yielded 650,000*l.* instead of 3,000,000*l.* expected, which was stated to be due to the initial difficulty of starting the new tax. The Budget estimate for ordinary expenditure for 1921-22 is 974,000,000*l.*, and it is proposed to raise 1,058,000,000*l.* The question of debt reduction is the most serious problem the Chancellor has to face. During the past year the indebtedness to foreign Powers has been reduced, so that apart from 800,000*l.*, owing to Sweden, this country owes nothing to any foreign Power except the United States. In regard to internal loans which mature shortly, a scheme was announced for converting these into long-term loans at what appear to be advantageous rates. The drastic reductions in expenditure which were promised in 1919 and have not materialised are now put off until 1922. It would have been easy to have effected large savings by at once stopping the war bonuses paid to Civil servants who receive more than 500*l.* a year. It is this extravagance that is causing so much discontent in industrial circles. Civil servants with comfortable pensionable positions should certainly share the increased cost of living the same as the general public. In accordance with custom the House of Commons agreed to the motions continuing certain

nnual duties. The second of these was that dealing with the continuation, until August 1, 1922, of additional duties of Excise upon medicines imposed by Section 11 of the Finance (No. 2) Act, 1915, and continued by Section 2 of the Finance Act, 1920.

Anglo-Spanish Trade.

Captain U. de B. Charles, commercial secretary to H.M. Embassy at Madrid, has prepared a report on the industries and commerce of Spain which contains interesting and up-to-date information, particularly with regard to the outlook for British trade with Spain. During the war Spain was in a most favourable commercial position, owing to the facts that the products of her natural resources were in unlimited demand, and her people were stimulated to great activity. This prosperity, however, was not maintained, the falling-off in the demand for her goods, increasing foreign competition, industrial trouble, lack of transport, and other factors, being responsible for the change, with the result that the trade returns for the first ten months of 1920 once more showed an unfavourable balance. Great efforts are, however, being made to establish a spirit of commercial and industrial independence by increased tariff protection and a tendency towards nationalisation of home industries, but even with these measures it is clear that the Spanish market will not be closed to foreign trade, as the country is still unable to supply her own increasing demands. As regards the Spanish demand for British goods, Captain Charles points out that the outlook is undoubtedly bright, but a very great deal depends on the adaptability of British manufacturers to the Spanish markets, and a study of the business methods which meet with success in Spain is certainly of vital importance. Captain Charles further points out that

A British trade-mark is still considered a guarantee of quality in Spain, as in other countries, and in the period under review it can at least be said that the demand for British goods has exceeded the supply. Unfortunately, this is not saying very much. The "fluctuation clause" in contracts used—with much justification—by British manufacturers, while the U.S.A. and Germany were offering firm prices and definite deliveries, caused the loss of many orders during the boom. Some buyers have almost given up hope of ever securing British goods again. They have got out of the habit of ordering from the United Kingdom, and it is to be feared that to some extent the public have also grown accustomed to the change. On the other hand, there is no doubt that British goods only need to be pushed in the Spanish market to recover much of the lost ground.

It is interesting to note that pharmaceutical products are almost all bought from the United Kingdom, and this country ought to have a good prospect of recapturing the trade in heavy chemicals, which at present come chiefly from Belgium and Holland. The high cost of British freights was one of the chief factors against a greater volume of trade with the United Kingdom last year, it being found cheaper to tranship goods at Antwerp to Spanish and Belgian vessels than to ship direct to Barcelona from London. It is instructive to note that the imports from Spain to the United Kingdom show 160 per cent. increase in 1920 compared with 1913, and the returns of exports from the United Kingdom to Spain show 146 per cent. increase in the same period. The actual figures from British trade returns are—Exports from Spain: (1913) 14,394,000*l.*, (1920) 37,495,000*l.*; exports from United Kingdom: (1913) 7,852,000*l.* (1920) 19,324,000*l.* Emphasising the characteristics peculiar to the Spanish market, Captain Charles points out that a good knowledge of the language is essential, and that the Spanish merchant, although a good buyer, likes credit, and will go where he can get it. As a general rule, business should be done at ninety days from date of shipment, Spanish merchants preferring that bills should be drawn on them. The personal element is all-important, and to obtain best results it is necessary to go to Spain and study the conditions and needs of the market. Personal propaganda is the best method of all, but much can be done with catalogues, circular-letters, and advertisements, provided that (1) they are written in correct Spanish; (2) the metric system is employed; and (3) quotations are made c.i.f. Spanish port. Attention to packing is also of importance. Germany is sparing no efforts to regain her hold on the Spanish market, and German travellers with ample supplies of catalogues are to be found in places where the British are never seen. Considering what splendid customers the United Kingdom has always been for Spanish produce, it is to be hoped that Spain will receive adequate attention from British manufacturers, and that business relations will be still further improved.

Expenses of Pharmaceutical Committees.

A correspondent, referring to a paragraph in the article on National Health Insurance in *The Chemist and Druggist Diary*, 1921, regarding the statutory deductions to cover the expenses of Pharmaceutical Committees, which are made from chemists' accounts for Insurance dispensing, asks for fuller details. For the benefit of other chemists who may have forgotten the method by which the deductions are arrived at, we print the following notes. Up to the end of 1915, while the chemists' agreement for the supply of drugs and medicines included the discounting clause, the amount available for the payment of the drug accounts was strictly limited to an amount equal to the sum of 2*s.* per insured person. According to Subsection 2, Section 33 of the Insurance Act, 1913, the amount available for the administrative expenses of both Panel and Pharmaceutical Committees was limited to an amount equal to 1*d.* per insured person in all. Assuming that these Committees required equal sums for their administrative expenses, the amount required by the Pharmaceutical Committee could never exceed the sum of ½*d.* for every 2*s.* in the Drug Fund, or rather more than 2 per cent. In actual practice the full amount available is rarely, if ever, claimed, but whatever amount is used as the expenses of the Pharmaceutical Committee is recovered by proportional deductions from chemists' accounts. In 1916, with the introduction of the "commercial" tariff and the deletion of the discounting clause, the Treasury assumed responsibility for the payment of drug accounts in full, and therefore no limit was placed upon the amount which might be required as the Drug Fund. From 1916 to 1920 2*s.* for drugs might still be taken as the minimum amount required per insured person, although as a matter of fact the rise in the cost of drugs during the war years rendered this amount inadequate to meet the drug accounts in many areas. Even assuming that the sum required in certain areas may only have been 1*s.* 8*d.* (which is doubtful), a proportional deduction from chemists' accounts in respect of the expenses of Pharmaceutical Committees would still be only 2½ per cent. (one halfpenny in twenty pence), as the amount available for the expenses of Pharmaceutical Committees was still limited to one halfpenny per person. With the coming in force of the National Health Insurance Act, 1920, however, the amount available for

Pharmaceutical Committees' expenses was doubled, and is now equal to 1*d.* per insured person, assuming that the expenses of both Pharmaceutical and Panel Committees are equal. The amount available for the Drug Fund is still unlimited, and, therefore, it is conceivable that a situation might arise in some area in which it might be necessary to deduct even 5 per cent. (one penny in twenty pence) from chemists' accounts in order to recover the amount absorbed by the expenses of the Pharmaceutical Committee. For instance, if the full amount available is claimed and expended by the Panel Committee in any medium-sized area, in the exercise of the powers conferred on them by Section 34 of the 1920 Regulations, the practitioners in that area might be educated into very economical methods of prescribing. With the revised dispensing-fees which came into force on April 1 the average dispensing-fee will be about 5*d.* per prescription. Even in a very economical area, therefore, the average total cost per prescription could not very well be less than 7*d.*, and as the average number of prescriptions per person for any area is about three, the total amount required to pay the drug accounts in the cheapest area could not be much less than 1*s.* 8*d.* per insured person. In this economical area which has been taken as an example, the Pharmaceutical Committee, following the lead of the Panel Committee, might also absorb the whole of the amount available for its expenses, namely 1*d.* per person, and therefore in this area pharmacists would be subject to a deduction of 5 per cent. from their accounts in order to recoup the Drug Fund for the amount expended by the Pharmaceutical Committee as expenses. It need hardly be said that this is an extreme case and is not likely to arise in practice, but it is quite possible that deductions up to 4 per cent. (one penny in twenty-five pence) might be necessary in some areas to meet the expenses of the Pharmaceutical Committee. As a general rule, however, deductions for this purpose do not exceed 2 per cent. or 2½ per cent. Chemists are safeguarded from unnecessary deductions from their accounts on behalf of the expenses of their Pharmaceutical Committee by Section 7 (6) of the 1920 Act. Not only has the request for expenses to be made to the Insurance Committee, who generally satisfy themselves that the claim is reasonable and necessary, but the consent of the Minister of Health must be obtained before the claim is allowed. Any extravagant tendencies on the part of a Pharmaceutical Committee, therefore, would be checked by the Insurance Committee, who are the local custodians of the Drug Fund.

Aërated Water Factory Draft Regulations.

The Home Secretary was empowered by the Factory and Workshop Act, 1901, to make Regulations of general application to all premises in which the dangerous work requiring to be controlled was carried on, in place of the old system of Special Rules which had to be established separately in each individual works. The Special Rules for Bottling of Aërated Waters are one of the very few codes of Special Rules now remaining, and it is desired, in accordance with recent procedure, to convert them into general Regulations applying to the whole trade. It is also necessary that the requirements of the Special Rules—which were drafted in 1897 and are, in certain respects, obsolete—should be brought up to date. For example, the Special Rules require that all bottlers should be provided with faceguards and gauntlets. In many works, however, this is now unnecessary, owing to the provision of automatic filling machines so constructed as to prevent the escape of the fragments of a bursting bottle. On the other hand, the Special Rules contain no precautions against the serious accidents which from time to time occur in capsuling, crowning, and other processes now in use for the closing of bottles, or from the bursting of syphons. Regulations have been inserted to require the provision of protective clothing and first-aid arrangements. These follow, generally, the standardised requirements which have been included in recent Regulations and Welfare Orders, and have already been adopted in a number of works.

Part I.—Duties of Employers.

1. All machines for filling bottles or syphons shall be constructed, placed or fenced, and all crowning and corking machines and labelling stands or benches shall be provided with screens of suitable material so as to prevent, as far as possible, a fragment of a bursting bottle or syphon from striking any person employed in the works.

2. Syphons shall not be labelled except when standing in boxes or cases.

3. The fittings of a filled syphon shall not be polished unless the syphon is held in a box or case so constructed that no fragment of a bursting syphon can escape.

4. There shall be provided and maintained in good condition for the use of all persons engaged in filling bottles or syphons (*a*) suitable faceguards to protect the face, neck, and throat, and (*b*) suitable gauntlets for both arms to protect the whole hand and arm. Provided that (i) this Regulation shall not apply where bottles are filled by means of an automatic machine so constructed that no fragment of a bursting bottle can escape, and (ii) where a machine is so constructed that only one arm of the bottler at work upon it is exposed to danger, a gauntlet need not be provided for the arm which is not exposed to danger.

5 There shall be provided and maintained in good condition for the use of all persons engaged in corking, crowning, screwing, wiring, foiling, capsuling, sighting, or labelling, except persons engaged in labelling syphons or in labelling bottles standing in cases, and, on request by any person engaged in any other process for the use of such person, (*a*) suitable faceguards to protect the face, neck, and throat, and (*b*) suitable gauntlets for both arms to protect the arm and at least half of the palm and the space between the thumb and forefinger.

6. There shall be provided and maintained in good condition for the use of all persons employed in any process involving exposure to wet, waterproof aprons with bibs and waterproof boots or clogs.

7. (*a*) There shall be provided and maintained in readily accessible positions first-aid boxes or cupboards in the proportion of at least one to every hundred and fifty persons employed. Each first-aid box or cupboard shall be distinctively marked, and if newly provided after the date of these Regulations shall be marked plainly with a white cross on a red ground, and shall contain, besides any other medical appliances or requisites—

(i) a sufficient supply of sterilised dressings, small, medium and large size, for fingers, hands, and other injured parts;

(ii) impermeable waterproof plaster;

(iii) a 2-per-cent. alcoholic solution of iodine and a bottle of eye-drops.

(*b*) Nothing except appliances or requisites for first-aid shall be kept in a first-aid box or cupboard.

(*c*) Each first-aid box or cupboard shall be kept stocked and in good order and shall be placed under the charge of a responsible person who shall always be readily available during working hours. A notice or notices shall be affixed in every workroom stating the name of the person in charge of the first-aid box or cupboard provided in respect of that room.

Part II.—Duties of Persons Employed.

8. All persons engaged in any of the processes named in Regulations 4 and 5 shall, while at work in these processes, wear the faceguards and gauntlets provided in pursuance of those Regulations.

9. No person shall—

(*a*) label a syphon unless it is standing in a box or case, or

(*b*) polish the fittings of a filled syphon unless it is held in a box or case constructed as required by Regulation 3.

10. All persons employed in any process involving exposure to wet shall, while at work, wear the protective clothing provided in pursuance of Regulation 6.

Drug Index Number.

The index-figure for April shows a further decline, due to the fall in values of lin. terebinthinæ, ol. morrhuæ, ung. acid. boric., and ung. zinci. There is a change in acid. acetylsalicyl., as the powder is the form allowed for from April onwards instead of the crystals. There is also a fall in the cost per cwt. of mag. sulph. of 3*s*., but this figure is insufficient to affect the price per lb. The continuance of quotations this month at their present figure is a reminder of the old days when changes were few, but many of the figures quoted are still too high to promise any stability. Surgical dressings show an increase; but this is somewhat illusory, owing to the welcome introduction of the price per yard for gauze—which is much fairer to the chemist. Apart from this change, dressings are steady, and, when the long-hoped-for revival comes, will surely show some advance.

Drugs, Chemicals, and Galenicals.

C=cost; I=index.	1913		April 1921		Mar. 1921		Feb. 1921		Jan. 1921		Dec. 1920		Nov. 1920		Oct. 1920	
	Qty.	C.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.
Ac. acetylsal.	2 lb.	88	144	*164*	160	*182*	176	*200*	208	*225*	224	*251*	224	*251*	272	*309*
Bismuth. carb.	3 lb.	308	513	*166*	513	*166*	630	*204*	630	*204*	666	*216*	666	*216*	666	*216*
Conf. sennæ	4 lb.	64	144	*225*	144	*225*	144	*225*	144	*225*	144	*225*	168	*260*	168	*260*
Ext. casc. sag. liq. ...	6 lb.	88	232	*264*	232	*264*	232	*264*	232	*264*	232	*264*	232	*264*	243	*276*
,, cinch. liq.... ...	1 lb.	54	117	*216*	117	*216*	164	*303*	135	*250*	135	*250*	135	*250*	138	*255*
,, ergot. liq. ...	2 lb.	198	344	*173*	344	*173*	428	*216*	535	*268*	541	*273*	676	*341*	876	*443*
Ferr. amm. cit. ...	3 lb.	57	192	*337*	192	*337*	204	*358*	204	*350*	240	*421*	240	*421*	276	*484*
Hexamina	4 oz.	15	48	*320*	48	*320*	48	*320*	56	*373*	76	*506*	84	*560*	104	*493*
Inf. gent. co. conc. ...	12 lb.	204	336	*164*	336	*164*	336	*164*	336	*164*	372	*182*	372	*182*	384	*188*
Lin. camph.	5 lb.	90	178	*198*	178	*198*	190	*211*	240	*266*	240	*266*	242	*268*	280	*311*
,, camph. amm. m. ...	8 lb.	144	252	*175*	252	*175*	292	*202*	304	*211*	304	*211*	304	*211*	420	*291*
,, sapo. meth. ...	10 lb.	120	245	*204*	245	*204*	245	*204*	245	*204*	245	*204*	280	*233*	310	*259*
,, terebinth.	6 lb.	108	120	*111*	141	*130*	150	*139*	171	*158*	150	*139*	180	*166*	231	*214*
Mag. carb. levis ...	2 lb.	22	28	*128*	28	*128*	28	*128*	28	*128*	28	*128*	28	*128*	32	*145*
,, sulph.	14 lb.	14	66	*471*	66	*471*	66	*471*	66	*471*	66	*471*	66	*471*	66	*471*
Ol. morrhuæ	10 lb.	80	115	*144*	140	*175*	185	*231*	180	*225*	190	*237*	195	*243*	210	*260*
Phenacetin.	4 oz.	18	60	*333*	60	*333*	64	*355*	76	*422*	80	*444*	84	*466*	92	*511*
Phenazonum	4 oz.	24	60	*333*	60	*333*	64	*266*	68	*283*	76	*316*	92	*383*	84	*350*
Potas. brom.	4 lb.	88	96	*109*	96	*109*	96	*109*	108	*123*	120	*136*	144	*163*	176	*200*
,, iod.	2 lb.	298	456	*153*	456	*153*	480	*161*	480	*161*	480	*161*	480	*161*	498	*167*
Quin. sulph.	4 oz.	80	224	*280*	224	*280*	224	*280*	224	*280*	236	*295*	236	*295*	256	*320*
Resorcin.	1 oz.	5	16	*320*	16	*320*	17	*340*	18	*360*	22	*440*	24	*480*	26	*520*
Sodii benz.	3 oz.	13	15	*115*	15	*115*	15	*115*	16	*123*	16	*123*	18	*138*	21	*161*
,, salicyl.	4 lb.	132	228	*172*	228	*172*	228	*172*	240	*181*	288	*218*	272	*206*	320	*242*
Sp. chlorof.	2 lb.	96	127	*132*	127	*132*	143	*149*	146	*152*	146	*152*	152	*158*	171	*178*
Syr. ferr. ph. co ...	4 lb.	36	84	*233*	84	*233*	84	*233*	98	*271*	104	*288*	112	*311*	112	*311*
,, Eastonii	3 lb.	54	123	*227*	123	*227*	123	*227*	134	*248*	134	*248*	140	*259*	140	*259*
Tr. chlor. et morph. '85	2 lb.	80	120	*150*	120	*150*	115	*143*	124	*172*	129	*161*	129	*161*	129	*161*
Ung. ac. borici	7 lb.	77	132	*236*	196	*254*	196	*254*	196	*254*	196	*254*	196	*254*	210	*272*
,, zinci	4 lb.	88	108	*123*	120	*136*	120	*136*	140	*146*	140	*146*	140	*146*	148	*165*
Index Number ...	100		212·8		215·8		226·0		239·0		258·2		268·2		289·6	

Surgical Dressings.

—	1913		April 1921		Mar. 1921		Feb. 1921		Jan. 1921		Dec. 1920		Nov. 1920		Oct. 1920	
	Qty.	C.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.
Bandages	144	1·44	316·8	*220*	316·8	*220*	316·8	*220*	345·6	*240*	403·2	*280*	432	*300*	432	*300*
Gauze ...	72 yd.	72	242·0	*336*	219·6	*305*	219·6	*305*	237·6	*330*	288·0	*400*	330	*458*	330	*458*
Lint ...	28 lb.	460	1190·0	*239*	1190·0	*239*	1190·0	239	1260·0	*270*	1680·0	*365*	1680	*365*	1764	*383*
,, boric	56 lb.	624	1668·0	*267*	1668·0	*267*	1668·0	*267*	1736·0	*278*	1960·0	*314*	2184	*350*	2352	*377*
Cotton wool	84 lb.	756	1680·0	*222*	1680·0	*222*	1680·0	*222*	1680·0	*222*	1848·0	*244*	2722	*353*	2722	353
Index Number	100		256·8		250·6		250·6		258·8		320·6		355·2		374·2	

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Pharmaceutical Council Election.

I.

There are nine candidates for the seven positions on the Council of the Pharmaceutical Society of Great Britain, which will be vacant in May. The candidates are Miss M. E. Buchanan (London), Mr. A. Sidney Campkin (Cambridge), Mr. Thomas Guthrie (Glasgow), Mr. Thomas Hardy (Maryport), Mr. John Keall (London), Mr. E. T. Neathercoat (Weybridge), Mr. H. R. Nightingale (London), Mr. F. Pilkington Sargeant (Leeds), and Mr. Hugo Wolff (London). The election is interesting because of the fact that the President is under the necessity of appealing to the electors. The candidates who are not already on the Council are Mr. Thomas Hardy and Mr. H. R. Nightingale. Mr. Hardy was an unsuccessful candidate last year, and Mr. Nightingale, as secretary of the Drug Union, is especially fitted to represent qualified assistants. We have asked the candidates to favour us with their views on pharmaceutical politics, and propose to publish these as we receive them. The first to respond to our invitation is

Mr. A. Sidney Campkin.

Mr. Campkin has been a member of the Council since 1904, and was Vice-President in 1913-4. He was first President of the East Anglia Pharmaceutical Federation, and has occupied much of his time in public work at Cambridge, where he has been connected with the Board of Guardians for over forty years. He has also been twice Mayor of Cambridge, his services to the borough being recognised by a public presentation. The Manchester Unity Friendly Society has also claimed much of his time for thirty years, so that his experience of public business probably surpasses in variety that of any other member of the Council. As to his work on behalf of pharmacy, Alderman Campkin claims that the action of the Council of the Society, in which he took an active part, had some effect with regard to the administration of the Act of 1908, unsatisfactory as that Act is even now with regard to the distribution of powers by unqualified persons, though under certain safeguards, which but for the action taken by the Council would have been unsecured. A similar argument would apply to the National Insurance Act of 1911, when special recognition of the pharmacists' position was secured, and, subsequently, better dispensing terms. Through the vigilance of the Council, too, other inequitable legislative proposals have been checked or modified, especially with regard to the Dangerous Drugs Act Regulations, a hastily conceived measure, which, from a pharmacist's point of view, needed no introduction. The evils which the Act proposed to regulate or check should have had no reference to the qualified pharmacist, who has throughout observed the safeguards against the indiscriminate distribution of such poisonous or debilitating drugs. The illicit means used to supply these drugs did not refer to him, but to an alien section of the community. Mr. Campkin believed the action taken by the Council would have a sufficient effect upon the Regulations to protect the craft from vexatious and irritating details. But he was more than ever convinced by experience of the truth of the saying that "the price of liberty was eternal vigilance." And it became more and more necessary to consider and challenge all proposals for legislation. He was confirmed in the opinion that the administration of existing Acts, with possibly some slight amendments, is better than special legislation, for which there appeared to be an ever-increasing demand upon every conceivable subject. There will be, in connection with the Ministry of Health proposals, many things to consider, and possibly some which, under a new departmental head, would be varied. Though subsequent proposals might not be of the same sweeping character, still, the attention of the Council would be especially needed. There was also the question now before them, arising out of the recent decision under the test case and the establishment of the Retail Pharmacists' Union, as to the continued existence, or otherwise, of their Local Associations and Federations. The former had been of the utmost value in their time, and should be continued in some form which could be considered. With regard, too, to the Ministry of Health the question of the large surplus sums, amounting to several millions, arising out of the valuation of the assets and liabilities of the National Health Insurance Acts, and the possible extensions in connection with State medical service, might indirectly affect the retail trade. He has ever since his election to the Council attended meetings thereof and committees with regularity, and endeavoured to bring to it his experience gained to an extent by visitations to various parts of the kingdom and important centres to which he had been invited from time to time as well as by personal knowledge and application to administrative details. He contends, too, that the position of the Society and the policy of the Council should be maintained—first, for what it had done in the past (despite some errors of judgment), what it is doing in the present, and for what it is capable of doing in the future, if adequately supported by its members.

Mr. A. Sidney Campkin.

Miss Margaret Elizabeth Buchanan, Ph.C.,

who is seeking re-election to the Council of the Society, was elected in 1918 as the first woman on that Council. Miss Buchanan has been for many years engaged in educational work, both of pharmaceutical and medical students, and she is now a partner in the business formerly carried on by Henry Deane (President of the Pharmaceutical Society 1853-55) at The Pavement, Clapham. Miss Buchanan is also President of the Association of Women Pharmacists. Since her election to the Council, three years ago, Miss Buchanan has chiefly been associated with the educational side of the Pharmaceutical Society's Work, and with its Benevolent Fund, whose chairman she is at present. In connection with education, she is anxious to see pharmacy raised to correspond with the general level of the education of this country, so that the status of the pharmacist may be worthily maintained, but that this should be done gradually and without entailing any hardship upon those now undergoing training. Miss Buchanan believes in the qualification for those engaged in responsible posts in institutions being that of the Pharmaceutical Society, and to that end desires to see a part of the training of such persons given in approved institutions. With regard to the Benevolent Fund, by the kindness and generosity of members Miss Buchanan hopes that it may be put upon a footing to give larger pensions where necessary, and, if possible, that it may have a larger scope altogether, by the inclusion of needy persons connected with pharmacy but not now available for benefit. Miss Buchanan requests support for re-election on the following grounds :

Miss M. E. Buchanan.

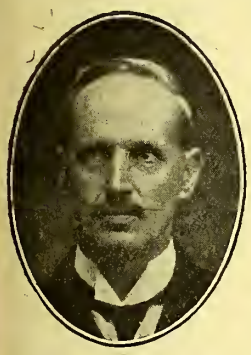
1. That she is connected with education and with retail pharmacy, and knows the needs of each.

2. That she is in favour of equal training and responsibility for men and women in our craft.

3. That she has now some experience in the Society's work, and can give time to continue that work in the directions of education, Colonial reciprocity, and benevolence.

Mr. Thomas Guthrie

has been a member of the Council of the Pharmaceutical Society since 1916, and has a longer experience of the Society's functions as member of the North British Branch Executive. Mr. Guthrie qualified in 1886, and is in business in Clydebank, Glasgow. In response to our request for his views on pharmaceutical politics Mr. Guthrie writes: I am interested in the work of the Council, have been since the start, and I find that interest gets ever keener as knowledge grows. I have not been long enough a member to have become stale, but long enough to have become thoroughly familiar with the ropes, and, therefore, in a position to serve well the interests of members. At any rate, that is my modest hope. On this occasion, while it cannot be said there are any hot controversial questions for the electors to come to a decision on, there still are points of very considerable interest. The fact, for instance, that the old Society has completed one phase of her existence and is just entering upon another is a matter of supreme importance. Is this year a milestone on a slope tending downward, or is it a point from which the Society, having "taken stock," proceeds to climb to still higher altitudes of usefulness?



Mr. Thomas Guthrie.

I believe in the latter view. I believe the future will show that the High Court's decision—undesired by many as it was—has been a "beneficent misfortune." Qualities of tact, temper, and statesmanship are called for while pharmacists are adjusting themselves to the new conditions; but, granted these, I expect to see very shortly a more "pharmaceutical" and more influential Pharmaceutical Society, and alongside of it, and working harmoniously with it, efficient bodies looking after the business interests of chemists. To my thinking it is the duty of every one now (no matter what hitherto may have been his opinion or prejudices) frankly to accept the new order of things, and labour to extract therefrom the greatest amount of good for the craft.

In the matter of the Dangerous Drugs Act Regulations, like pharmacists generally, I am in sympathy with the ideals of the Act, and at the same time incensed by that part of the proposed Regulations which affects pharmacists. If the Pharmaceutical Society, its Council and officers, after eighty years of educational and ethical effort, are not fit (as their Continental congeners are reckoned fit) to safeguard the public in the spirit of the Dangerous Drugs Act, our advance has been on wrong lines. We *are* fit, and we must advertise the fact by declining to acquiesce in any Regulations which minimise or supersede the statutory rights of the Society acting in conjunction with the Privy Council. In this matter I am more than a "last ditcher." The last ditcher reckons to die in his trench. I hope to live on its further bank.

Being a member of the Finance Committee, the Society's exchequer, naturally, is much in my thoughts. These are flaming times of plenty. In such circumstances it is easy to be an optimist. I hope I am such in a reasonable way. I know there are leaner times to come, however, and in order to the fulfilling of optimistic dreams I support the treasurer in his endeavours—while avoiding niggardliness—to scrutinise very carefully the outflow from the treasure chest.

For some years the voice of the "organiser" has been loud in the land. At the risk of nauseating, I would like to draw attention to the circumstance that, in order to get the best out of the Pharmaceutical Society machine, there remains still to be done one little bit of elaboration. In the years that have gone very excellent work has been done for the Pharmaceutical Society by bodies which in their relation to it were—and could in the nature of things only be—partially sympathetic. Is the opportunity to consolidate and regularise not with us now? I am speaking of local associations. The setting up of the Scottish Federation and the Retail Pharmacists' Union could not but affect vitally the more or less casual local associations. These bodies—being modern—must have "branches," and in the creation of these must think only of their own interests. I want to see the old Society complete in the process of rejuvenation which I thoroughly believe it is undergoing. I want to see the Society pay to the up-to-date unions the complement of imitation here. The time has come now for real organisation of the Pharmaceutical Society. Let us see to it that in every possible area in the near future there be established not a mongrel something, but a genuine *branch* of the Pharmaceutical Society. All else locally needed will be added unto it.

I believe in holding fast by every scrap of right or privilege our efforts have obtained for us in the past—title included—and on every fit occasion in reaching out for more.

Mr. Thomas Hardy.

Mr. Hardy, who is in business at Maryport, was an unsuccessful candidate last year, so that he comes forward this year with some knowledge of electioneering. He passed the Preliminary examination in 1891, prior to apprenticeship with Mr. W. Spark, Maryport, and was afterwards an assistant with Mr. Hubert Bartlett, Banbury. He studied at the Northern College of Pharmacy, and passed the Qualifying examination in 1898. Mr. Hardy then purchased the business of Mr. R. W. Watson at Maryport, and is still carrying it on at 91 Crosby Street. He is one of the founders and is hon. secretary of the Maryport Pharmaceutical Association, a member of the Cumberland Pharmaceutical Committee, Vice-President of the North-Western Federation, and a member of the Executive Committee of the Retail Pharmacists' Union. In local public matters Mr. Hardy is well known, and has been chairman of the Maryport Urban District Council, with which body he has been connected for some years. His views on pharmaceutical politics are expressed in his election address, in the course of which he states:

Mr. Thomas Hardy.

The decision in the test case, The Society *v.* Jenkin, has limited the operations of the Council, and it is necessary that on matters educational and professional the fullest consideration should be given and the keenest application exercised, so that the general public and the heads of Government Departments may be impressed with the importance of pharmacy and pharmacists.

Legislation.—Recent legislation has filled us with fear, as it appears that the privileges and rights granted under the Charter and various Pharmacy Acts are being attacked. The Proprietary Medicines Bill, the Dentists Bill, and the Draft Regulations of the Dangerous Drugs Act are instances of this, and I am persuaded that only tenacious opposition on the part of the Council will overcome these sinister attacks.

Army and Navy.—A persistent demand that commissioned rank shall be the *sine qua non* of pharmacists in these Services will have my unstinted support.

National Health Insurance.—The present basis of remuneration must be the minimum, and any attempt at reduction on the score of reduced cost of living must be strenuously opposed and frustrated by concerted action. My experiences gained in public life as chairman of education committees for seven years, combined with those as secretary of the Maryport Pharmacists' Association and member

of the Cumberland Pharmaceutical Committee and the Local Associations Executive, are placed before you as qualifications for the Council. As the nominee of the Northern Counties and an advocate of Push, Progress, and Publicity, I have the temerity to ask for your vote and support on this important occasion.

Mr. F. Pilkington Sargeant

is well known as the principal of the Leeds College of Pharmacy. He has served on the Council for many years, and is at present the Vice-President. Mr. Sargeant is noted for the fearless manner in which he states his views, so that he is looked upon as not likely to allow chemists' privileges in the sale of poisons to be encroached upon by Government Departments. Mr. Sargeant has crystallised his views in the following paragraphs :

Mr. F. Pilkington Sargeant

1. That the standard of pharmaceutical education must be such that it keeps pace with the ever - increasing standard of national education.

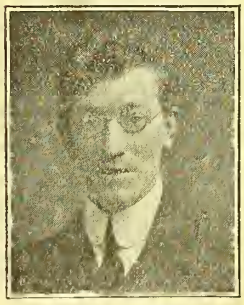
2. That the scientific, technical, and business training of the "apprentice" should be under the continuous control of the Society.

3. That, simultaneously, every effort must be made to confine pharmacy to the pharmacist, and also to extend the scope of pharmacy so that the better training may be justified by higher remuneration and enhanced status.

4. That, when opportunity offers, an attempt must be made to ensure that scheduled poisons shall only be supplied by wholesale to those qualified to retail them or to trade users.

Mr. Hugo Wolff

qualified in 1902, and was in business at Tottenham, Middlesex. He is now connected with the management of the Glaxo business, and among other activities is secretary of the Middlesex Pharmaceutical Committee. As the protagonist of face-value for proprietary articles, Mr. Wolff proudly claims to have "put more money into pharmacists' pockets than most of the candidates." One who knows him intimately writes : "Mr. Wolff is essentially a business candidate, who is out to help chemists to make and save money. The lines he has found the most satisfactory to travel on in his endeavours to assist individual chemists to develop their business are those he has tried with some success. to guide the Council along, for the simple reason that by his method things are done. His election address three years ago was a booklet entitled 'The Future of Pharmacy,' and it is a remarkable fact that everything stated in that booklet is as true to-day as it was at the time it was written. Deficiencies, he pointed out, are now generally admitted to have been such, what he prophesied has come true, and his confidence in the possibilities of pharmacy as a business is unbounded—provided always, he insists, that matters of importance to the craft are handled in a practical, common-sense way. He has no particular sympathy with those who think their professional status should be sufficient safeguard for their business interests, but would have all pharmacists recognise that they are traders, confronted with competition in everything saving the sale of poisons, and that they are not likely to meet this competition in a satisfactory manner unless they fit themselves specially for the conflict. He thinks the pharmacist enjoys many advantages as a trader—advantages which should count for much in the competition for business, and he is daily occupied in considering methods whereby both individual pharmacists and their representative organisations can attain the best results. While pointing to his record of work as their representative on the Council during the past three years, as his best recommendation for their suffrages, Mr. Wolff invites the members of the Society to recall what he promised three years ago, and to note how he has fulfilled his promises."



Mr. Hugo Wolff.

The following is the conclusion of the election address referred to :

Why I am Standing for the Council.

I have made money in pharmacy, but I have made it out of what we may call the bread-and-butter side of the "craft." Microbiology and things of that ilk would not support one pharmacist out of every thousand in business, and even if it would the Ministry of Health will take good care that these subjects will never be profitable to any branch of the trading community. So for years I have been urging that the trade side of our calling should receive more attention, so that pharmacy may become such a profitable profession that the non-proprietor pharmacist who at present maintains the multiple store may be induced without loss of remuneration to himself to embark in business on his own account.

It is my intention, if elected, to move such resolutions that the Council will have to decide one way or the other whether they can undertake, without loss of dignity, to deal with these important trade matters.

I want to make it perfectly clear that I am not going to attempt to force the Council to deal with these matters. I merely want a plain "Yes" or "No." If the answer is "Yes," I am prepared to move resolutions which any Association or individual member of the Society may care to send up to the Council, always provided that the resolutions are reasonable.

If the answer is "No," then I am going to advocate a Pharmaceutical Chamber of Commerce. I am going to suggest that the Local Associations Executive shall be reconstituted on a territorial basis, and that it shall be empowered to deal with every matter (except legal and educational) that affects the interests of chemists and druggists.

For years I have realised the one great stumbling-block to progressive pharmacy, and that is, that the actions of the members of the Council are carefully hidden from the rank and file of pharmacy. To-day you have before you six retired councillors, all seeking re-election, and it is impossible for you to say how these men voted during the three years they have sat in office.

The problem is, How will the members of the Society know what becomes of the resolutions sent up to the Council, and what becomes of the promises made by those who stand before them to-day?

It is my intention, if elected, to introduce an innovation in pharmacy. I propose to send a monthly letter to every Association in Great Britain, stating clearly in that letter not only what resolutions are moved at Council meetings, but to indicate clearly how each member voted on each particular resolution. Every member of the Society must deplore the lack of publicity given to the proceedings of the Council, and it is my honest conviction that once the limelight is thrown upon the doings of the representatives that something of real and permanent value may be achieved.

You know it is a pretty good old business—the calling of pharmacy—just as full of smiles as of tears, and joys lurk in as many places as woes.

A summons against a tradesman for excessive lighting was issued, under the powers conferred by the Emergency Powers Act, 1920, at a London police-court on April 26.

New Zealand Opium Regulations.—A recent issue of the "New Zealand Gazette" contains a copy of revised Regulations issued under the Opium Act, 1908, respecting the importation, exportation, and sale of opium and its compounds and cocaine in New Zealand. The present Regulations are issued in substitution of those made on July 24, 1911. They provide, *inter alia*, that no person shall import into or export from New Zealand opium, morphine, heroin, or cocaine without a permit from the Minister of Customs.

Festivities.

Notts Chemists' Dinner.

The annual dinner of the Notts County Pharmacists was held on April 20 at the Oriental Café, Mansfield, the President (Mr. Twidale) in the chair. The toast of "The Pharmaceutical Society" was proposed by the President, and Mr. J. A. Pegg replied. Mr. Adams proposed the toast of "The Medical Profession," and Drs. Palmer and Lambie responded. Mr. Carr, secretary of the Nottingham Association, proposed "The County Association," and mentioned the difficulties that secretaries of the Associations had in getting support both by subscription and attendance at meetings, particularly the latter. Mr. Briggs responded. The toast of "The Visitors" was proposed by Mr. Meadows, and responded to by Alderman D. H. Maltby. The toasts were interspersed by musical items rendered by the following: Mr. A. R. Jesson, songs; Miss Beryl Jesson, recital; Mr. P. Blaber, humorous items; Mr. Briggs, recital; Mr. G. Shaw, 'cello.

Mr. A. R. Jesson, Mansfield Woodhouse.

Mr. H. Twidale, *President*, Mansfield.

Birmingham Pharmacists' Whist-drive.

A whist-drive, arranged by ladies connected with the Association, in aid of the Pharmaceutical Society's Benevolent Fund, was held on April 20 at Boots' Café, Colmore Row. The attendance numbered about 140. Among the prizewinners were Miss E. A. Mason, Mrs. H. L. Buckingham, Mrs. F. M. Johnson, Mrs. J. Mousley, Mrs. J. Kirby, Miss D. E. Stanley, Mr. E. H. Rodway, Mr. A. Hunt, Mr. J. A. Robertson, and Master N. Buckingham. During the interval the President addressed the meeting on behalf of the Benevolent Fund. He regretted that the dance held in January did not result in a balance in favour of the fund. It was hoped that several ladies would arrange private functions—whist-drives, garden parties, etc.—at their homes, so that a substantial amount might be raised from Birmingham. He accorded thanks to Messrs. Boots, Ltd., for granting the free use of their café, to Mr. Whittock and the local staff for their assistance, and to the various donors of the handsome prizes, including S. Maw, Son & Sons, Ltd., Harker, Stagg & Morgan, Ltd., and Southall Bros. and Barclay, Ltd. The proceeds of the sale of tickets will go to the Benevolent Fund, and will be about 25*l*.

Spectacle Makers' Dinner.

Colonel Sir Charles Wakefield, City Alderman, Master of the Worshipful Company of Spectacle Makers, presided, on April 26, at a dinner of the company, held at the Fishmongers' Hall, London. A number of distinguished guests were present. Viscount Bryce proposed "The Health of the Foreign Ambassadors and Ministers," and the Italian Ambassador briefly replied. Mr. Justice Shearman proposed "The Imperial Forces of the Crown," which was suitably responded to by Commander Sir Trevor Dawson, R.N., Lieutenant-General Sir G. M. W. Macdonogh, and Air Vice-Marshal Sir Frederick Sykes. Viscount Burnham (Past-Master) responded to "The Houses of Parliament," proposed by Mr. R. M. Holland-Martin, and Sir Ernest Wild, K.C., M.P., speaking on behalf of the House of Commons, suggested that the company might extend the ambit of its examinations from the physical to the moral side, and look after the moral aids to vision, so that the mind's eye might be properly accommodated, and that they might get men and things into a more correct focus. (Laughter.) Colonel Sir Charles Wakefield, replying to "The Worshipful Company of Spectacle Makers," submitted by Lord Riddell, said the company was very ancient, and had a long line of liverymen and spectacle makers. It was not only an ancient, but a great modern company. Its examinations were conducted by men highly qualified, and he had heard from their clerk that their official instructor, Mr. Lionel Laurance, who was also present, had been invited to lecture in New York at a convention, under the auspices of the American Optometric Association. (Applause.)

Retail Pharmacists' Union.

London (S.W.).—A branch of the Retail Pharmacists' Union was formed by employer pharmacists in the South-West London area on April 19. Provisional officers and committee were set up and a full meeting will be called at an early date. Mr. E. A. Atkins, Wandsworth, was elected *Chairman*, and Mr. F. G. Wells, 80 Bridge Road, Battersea, S.W. 11, *Secretary*. The latter will be pleased to hear from any employer pharmacists in the district. It is the wish of all present members that the branch should work in unison with the present South-Western Association.

Sheffield.—The first meeting of the Sheffield Branch, No. 5, of the Retail Pharmacists' Union was held recently, at which a vote of condolence was passed to the family of the late Mr. Deakin. The following officers were then elected: *Chairman*, Mr. Jackson; *Vice-Chairman*, Mr. H. G. Williams; *Treasurer and Secretary*, Mr. H. Antcliffe; *Council*, Messrs. Austen, Culverhouse, Dawson, Hallatt, Hewitt, Hobson, Medley, Northend, E. Preston, and Wright; *Auditors*, Messrs. H. Bown and F. H. Fox. The chairman moved that the thanks of the branch be offered to Mr. H. B. Hammond, who has acted as hon. secretary during its formation.

Southend-on-Sea.—At a meeting of proprietor pharmacists on April 21 a branch of the Retail Pharmacists' Union was formed. The following officers were elected: *Chairman*, Mr. F. H. King; *Vice-Chairman*, Mr. A. H. Carpenter; *Treasurer*, Mr. W. T. Hill; *Secretary*, Mr. S. F. Body. The following, acting with the officers, constitute a *Committee*: Messrs. J. H. Heywood, J. G. Cowe, and W. Longthorne, jun. It was resolved to apply to the Southend, Westcliff-on-Sea and District Chamber of Trade requesting the formation of a Proprietor Pharmacists' Section. The new terms for Insurance dispensing were then explained by the chairman, and after discussion the secretary was requested to communicate with the R.P.U. expressing the appreciation and thanks of this branch for their efforts made in obtaining the new terms. The hours of closing during the summer months were then considered, and it was agreed that the hours of closing during the summer months be continued exactly as for winter months.

Bee-culture is increasing considerably in Spain. About 19,000 tons of honey is produced annually, and the value of the wax, which is mostly consumed in the country, is very important. Spain is free from bee disease, and with more up-to-date methods it is estimated that the value of production of honey and wax should exceed 60 million pesetas.

The proprietors of a pharmacy and those of a café adjoining it in Chester have been fined 5*l*. respectively for refusing to close up a door giving communication between the two premises, and the wine licence of the pharmacy has been declared forfeited. It was stated in court that the two companies have the same secretary, and that the door is there for his convenience.

"Prestations Allemandes."

The chemicals and pharmaceuticals to be delivered by Germany to France, according to Annex VI. of Part VIII. of the Treaty of Versailles, are to be distributed through a company specially formed for this purpose, which bears the lengthy title of the "Union of Producers and Consumers for the Development, in France, of the Manufacture of Synthetic, Pharmaceutical Chemical Products, Salts of Quinine, and Cinchona Bark." The company's capital is half a million francs, and its address 7 Rue de Jouy, Paris.

Two Government Commissaries, named respectively by the Minister of Commerce and the Minister of Finances, will have the right to assist at the Union's board meetings, with access to all books, etc. The Union will take delivery of the goods at the German works and pay all transport and other charges. The price paid by the Union to the Government will be established in francs at the average rate at which the German mark is quoted in New York during the week preceding the handing over of the goods. The sale price will be this cost price plus (1) expenses of delivery, etc.; (2) an allowance for general expenses of the Union, to be fixed quarterly; (3) whatever further sum is necessary to raise the sale price to that of the French market quotations for the preceding month. A percentage (fixed half-yearly) will be accorded to the Union (by the Government) for its technical, commercial, and financial collaboration, the rest of the profits will go to the State when the Union is liquidated. The question of making a profit is thus eliminated as far as possible. These goods are not handed over to benefit purchasers, either wholesalers or retailers, but the French nation, as a whole, and as a part payment of the "reparations" due. The goods will be labelled "Prestations Allemandes" as an indication of their origin. Quotations will be given by the Union on demand. Packing will be invoiced at the German manufacturers' prices and "empties" cannot be returned. The list of goods includes nearly 4 tons of sodium benzoate, nearly 3½ tons antipyrin, over a ton each of phenacetin and pyramidon, about 14 cwt. of sulphuric ether, 13 cwt. benzonaphthol, 11 of trional, 9 of urotropin, 7 of antipyrin salicylate, 6 of salophen, 5 of diethylbarbituric acid, etc.

Description	Total quantity (kilos.)	Minimum quantity (kilos.) to be sold	Assessors
Acid. benzoic.	21	21.400	Etabl. Poulenc Fr.
,, diethylbarb. ...	252	50	,, ,,
,, gallic.	59	59	Chenal, Douilhet
,, lactic. pur. 1.21...	48.750	48.750	Etabl. Poulenc Fr.
,, ,, ,, 1.24...	2.500	2.500	,, ,,
,, ,, ,, 1.16...	45	45	,, ,,
,, pyrogal. ...	7	7	Chenal, Douilhet
,, valerianic. ...	7.500	7.500	Etabl. Poulenc Fr.
Adeps lanæ	500	50	Pharm. Centrale France
Æther benzoic. ...	11	3	,, ,,
,, brominat. ...	6	6	,, ,,
,, formic. abs. ...	2	2	,, ,,
,, iodic.	2	2	Gallois & Co.
,, salicylic. ...	41	5	Soc. Usines du Rhône
,, sulph. 0.720 ...	689	40	Pelliot & Co.
Ammon. benz.... ...	3	3	Etabl. Poulenc Fr.
Amylene hydrox. ...	0.330	0.330	,, ,,
Amyl acetate	5	5	Pelliot & Co.
,, nitrite	35.500	10	Chenal, Douilhet
,, salicyl.	28.500	28.500	Soc. Usines du Rhône
Anæsthesin	54	1	Longuet
Antifebrin	300	50	Pelliot & Co.
Antipyrin	3388	100	Soc. Usines du Rhône
,, salicylate ...	356	25	,, ,,
Argent. protein ...	66	1	Darrasse Fr.
Benzonaphthol ...	653.620	50	Etabl. Poulenc Fr.
Bromoform	6	6	,, ,,
Chloralamid.	10	1	Pharm. Centrale France
Chloralhydrat. ...	102	25	,, ,,
Chloralose.	3.500	1	,, ,,
Caffein	38.750	38.750	Michel, Laurent, Guigue, Co.
Chloroform Ph. G. V.	25	25	Gallois & Co.
Cocain. pur.	2.119	—	Pointet & Girard
Codein pur.	3.440	3.440	Michel, Laurent, Guigue, Co.
Creosot. phosph. ...	12.500	12.500	Gallois & Co.
Duotal	149	50	Etabl. Poulenc Fr.
Ethylene brom. ...	25.500	25.500	,, ,,
,, chlor. ...	1.500	1.500	,, ,,
Ethylmorphin. hyd. ...	9.500	0.500	Michel, Laurent, Guigue Co.
Ferropyrin	6.500	6.500	Gallois & Co.
Calcium glycerophos....	25	25	Etabl. Poulenc Fr.
Ferrum ,,	8	8	,, ,,
Calcium ,, ...	228	100	,, ,,
Potass. ,, 50%...	22	22	,, ,,
,, ,, 75%...	8	8	,, ,,
,, ,,100%...	1.500	1.500	,, ,,
Sodium ,, 50%...	43.500	43.500	,, ,,
,, ,, 75%...	5	5	,, ,,
,, ,,100%...	0.550	0.550	,, ,,
,, ,, cryst.	23.937	23.937	,, ,,
,, ,, pulv....	7.600	7.600	,, ,,
Guaiacol cryst. ...	21.500	21.500	,, ,,
,, phosph. ...	40.500	5	,, ,,
Heroin hydr.	5.400	1	Michel, Laurent, Guigue, Co.
,, pur.	1	1	,, ,,
Hydrastinin. hydr. ...	1	0.250	Pharm. Centrale France
Acid. cacodyl.... ...	27	27	Chenal, Douilhet
Ferrum ,, ...	5	5	Etabl. Poulenc Fr.
Guaiacol ,, ...	2	2	Chenal, Douilhet
Hydrarg. ,, ...	0.500	0.500	,, ,,
Lithium cacodyl. ...	0.500	0.500	,, ,,
Strychnine ,, ...	0.180	0.180	,, ,,
Lactophenin	46	5	Etabl. Poulenc Fr.
Magnes. salicyl. ...	37.500	5	Etabl. Poulenc Fr.
Menthyl valerian. ...	6	3	Darrasse Fr.
Menthylenditanin ...	19	19	,,
Naphthol med. beta ...	110.500	50	Gallois & Co.
Sodium benz. ...	3928	180.200	Etabl. Poulenc Fr.
,, cinnam. ...	1.250	1.250	Pharm. Centrale France
,, diethylbarb. ...	84.500	25	Gallois & Co.
,, sulphophen. ...	8	1	Pharm. Centrale France
Novocain	53.500	5	Comar & Co.
Paraldehyde	111	5	Pelliot & Co.
Phenacetin	1061	50	Pointet & Girard
Phenolphthalein ...	216.500	50	Soc. Usines du Rhône
Piperazine	39	10	,, ,,
Pyramidon	1078	50	,, ,,
,, camphorat.	1	1	,, ,,
,, ,,	1.500	1.500	,, ,,
,, salicyl. ...	8.500	8.500	,, ,,
Pyrazolone phenyldimethyl.	21	21	,, ,,
,, ,, salicylat.	1.500	1.500	,, ,,
,, ,, caffein citr.	0.250	0.250	,, ,,
Resorcin	141.500	25	,, ,,
Salophen	313.500	25	Darrasse Fr.
Sulphonal	41.500	41.500	Etabl. Poulenc Fr.
Tannin. albuminat. ...	37.500	10	Chenal, Douilhet
Tannoform	50	10	,, ,,
Theobromin	16.500	16.500	Pharm. Centrale France
,, soda salicyl.	1.500	1.500	,, ,,
Thiocoll (pot. sulphoguaiac.)	158	158	Etabl. Poulenc Fr.
Tribromphenol... ...	0.680	0.680	,, ,,
Trional	563	25	Michel, Laurent, Guigue, Co.
Tropococain	7.500	1	Pharm. Centrale France
Urethan	2	2	Etabl. Poulenc Fr.
,, ethyl ...	12	12	,, ,,
Urotropin	463.705	50	Pointet & Girard

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Gazette.

Partnerships Dissolved.

Jones, A., and Munford, C. S., Fuller's Hill, Great Yarmouth, chemical manufacturers, under the style of the Shoe Trade Chemical Co.

Sigrist, R. H., and Stamp, E. K., Hanham Street, Hanham, Bristol, drug-store proprietors, under the style of The Hanham Pharmacy.

Williams, C. S., and Dawe, H. J., 12 Aldgate, London, E. 1, chemical and produce merchants, under the style of Williams & Dawe.

Setting an Example.—It was announced at a recent meeting of the Halifax town council that estimates had been so cut down that the rates need not be increased beyond the existing amount—19s. 9*d*. in the £.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, April 28.

The continuance of the impasse in the coal industry prevents any possible improvement in business at the moment, but at the same time the feeling in regard to a revival of activity is more hopeful should an early settlement of the dispute take place. It is realised, however, that several weeks must elapse before our staple industries can hope to recover from the set-back It is reported that a good-sized order for chemicals, drugs, etc., has been placed in this country for one of our smaller Allies. The movements among the foreign exchanges include a sharp rally in the American exchange, which touched $3.95⅛ on Wednesday. Italian lire continue to move in favour of that country, and a rising tendency is noticeable at primary sources in liquorice juice and root, orris, squill, and juniper berries. Easier rates are quoted for cod-liver oil, mandrake, senega, senna, valerian, and rhapontica. Honey is steady. Shellac has sharply advanced owing to American buying and small spot stocks. Refined camphor is easier. Menthol is steady. Mercury, mercurials, and vermilion are lower. Cocoa butter, turpentine, and wood oil are dearer. Canary seed is more active and dearer. Anise, caraway, and cumin are steady, while coriander and fenugreek seeds are neglected. Should the miners' strike have been settled, the next drug auction will be held on May 12, after an interval of sixteen weeks.

Higher	Firmer	Easier	Lower
Canary seed	Aspirin	Amidopyrin	Bay oil
Cocoa butter	Cassia oil (c.i.f.)	Benzols	Camphor (Jp. c.i.f.)
Cream of tartar	Hexamine	Benzonaphthol	Cod-liver oil
Ginger (Jam.)	Juniper berries	Bleaching powder	Creosote carb.
Liquorice juice	Linseed oil	Caffeine, pure	Cresylic acid
Methyl sulphonal	Orris	Calcium lactate	Geranium oil (Bourb.)
Shellac	Pot. sulphoguaiac.	Cedarwood oil	Mercurials
Sulphonal	Sodium benzoate	Chloral hyd.	Mercury
Turpentine	Squill	Formaldehyde	Milk sugar
Wood oil (Ch.)	Star anise oil (c.i.f.)	Hydroquinone	Naphtha (solv.)
		Lemon oil (c.i.f.)	Nutmeg oil
		Methyl sal.	Orange peel
		Oxalic acid	Phenacetin
		Pennyroyal oil (Sp.)	Pitch
		Peppermint oil	Podophyllum root
		Senega	Rhapontica (Ch.)
		Sodium bromide	Salol
		Sodium sulphide	Senna (Tinn.)
		Spearmint oil	Spike oil (Sp.)
		Valerian	Terpin hydrate
		Wintergreen oil	

Cablegrams.

New York, April 27.—Business is fair. Menthol is 15c. per lb. lower at $3.85, and peppermint oil in tins has declined a further 10c. to $2.65. Cartagena ipecacuanha is lower at $2.25, and mandrake root has declined to 12c. Serpentary root is cheaper at $1.75, likewise balsam peru at $1.65, and stramonium leaves at 21c. Acetphenetidin (phenacetin) is lower at $1.55 per lb.

Bergen, April 26.—The total catch of cod for the whole of Norway since the opening of the season amounts to 32,200,000, against 30,200,000 for the corresponding date of 1920, and the yield of steam-refined medicinal oil is 50,283 hectolitres, against 45,263 hectolitres at the same period of last year. Finest new Lofoten oil is quoted at 90*s.* per barrel c.i.f. London. The fishing at Lofoten has now closed.

London Markets.

Aloes.—Curaçao show a distinct improvement from New York; on the spot from 80*s.* to 85*s.* will buy good liver. Little interest is shown in Cape. The exports from the Union of South Africa during December were nil, against 182,670 lb. (2,638*l.*) in December 1919. During the twelve months ended December 31, 1920, the exports were 796,515 lb. (15,607*l.*), against 1,202,982 lb. (13,522*l.*) in 1919.

Antimony is somewhat firmer in the case of foreign regulus, which has attracted more inquiry for spot lots, these being now held for 26*l.*, but there are sellers at 25*l.*, and even less, for good quantities. Crude is dull and called about 18*l.* 10*s.* to 19*l.* c.i.f. English refined has remained as before at 40*l.* to 42*l.* a ton for small lots.

Belladonna.—Root is offered at 1*s.* 10*d.* per lb. on the spot, and leaves at from 1*s.* 4*d.* to 1*s.* 5*d.*

Bromstyrol is slightly easier than when we last quoted at from 13*s.* 6*d.* to 14*s.* per lb.

Buchu.—Arrivals valued at 910*l.* have taken place to London. New crop on the spot can be had at 10*s.* per lb. for fair round green, and at 9*s.* for ovals.

The exports from the Union of South Africa during December 1920 were 5,311 lb. (3,258*l.*), against *nil* in December 1919. During the twelve months ended December 31, 1920, the exports were 139,149 lb. (67,243*l.*), against 149,166 lb. (37,130*l.*) in 1919.

Camphor (Crude).—Chinese has sellers at 2*s.* 7*d.* to 2*s.* 9*d.* per lb. on the spot as to quality.

Camphor (Refined) is quiet, with Japanese 2½-lb. slabs offering at 3*s.* 9*d.* on the spot, but possibly with an order in hand 3*s.* 7*d.* would buy, and for May-June shipment 3*s.* 1*d.* c.i.f. is quoted.

The exports from Japan during January of the past three years were as follows:

To	1919 Kin	1920 Kin	1921 Kin
British India	—	930	53
Great Britain	38	240	73
France	249	67	—
United States	1,424	255	152
Australia	—	—	2
Other Countries	191	25	35
Kin	1,902	1,517	315
Yen	527,856	885,354	86,614

Cantharides are slow of sale, Russian offering at from 10*s.* 6*d.* per lb. upwards. Chinese to arrive are firmer at 4*s.* 3*d.* c.i.f., and on the spot 4*s.* 9*d.* will buy.

Carmine.—Finest French make is obtainable on the spot at 21*s.* 6*d.* per lb.

Cascara Sagrada.—New-crop bark is quoted at 82*s.* 6*d.* per cwt. c.i.f., which is comparatively dear compared with the spot price of about 90*s.* for three-year old. Several arrivals have taken place this week.

Chamomiles are unchanged, with the better qualities offering at 115*s.* per cwt. and 1918 crop at 82*s.* 6*d.* per cwt.

Cinchona.—The auctions of cinchona and coca leaves at Amsterdam fixed for May 4 will not be held, owing to the absence of demand.

Cocoa Butter is 1*d.* per lb. higher at 1*s.* 8*d.* per lb. for prime English in not less than ton lots.

Cod-liver Oil.—Our Bergen correspondent writes on April 19 that the cod-fishing at Lofoten will probably be closed this week. The total result of all the Norwegian cod fisheries up to date is as follows:

	Cod (millions)	Steam-refined cod-liver oil (hectol.)	Livers for crude oil (hectol.)
To April 16, 1921 ...	30·7	49,133	6,966
" " 17, 1920 ...	28·3	42,300	3,880
" " 19, 1919 ...	16·6	21,930	1,946
" " 20, 1918 ...	14·1	14,831	2,637
" " 21, 1917 ...	21·2	31,416	3,111
" " 15, 1916 ...	40·6	48,547	4,338

At Finmarken the fishing has just commenced favourably, and better than in 1920, although the number of participants is less than last year. The catch is about half a million up to April 16, against 0.4 millions in 1920. The market remains quiet, without business, and sellers would no doubt accept 90*s.* per barrel c.i.f. London for finest new

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Lofoten oil, although such a price shows a loss to the makers. In London from 85*s*. to 90*s*. c.i.f. is quoted to come forward.

Egg Products are firm, with sales of prime Chinese liquid yolk at 120*s*. to 125*s*. per cwt.; for April-June shipment 80*s*. to 85*s*. c.i.f. has been paid. Dried yolk is 5*d*. and sprayed whole egg 1*s*.; Native dried whole is 6*d*.—all spot. Prime hen albumen is 2*s*. 8*d*. per lb. on the spot and 2*s*. 7*d*. per lb. c.i.f. for April-June shipment.

Ergot.—Good Spanish or Portuguese has become scarcer on the spot, with spot sales at 5*s*. per lb.

Farina is quiet, Japanese No. 1 offering at 20*s*. 6*d*. per cwt., and for April-June shipment 19*s*. c.i.f. is quoted. Dutch on the spot is 19*s*. 6*d*. and March-May shipment 18*s*. 6*d*. c.i.f.

Gentian.—The spot value is about 50*s*. per cwt., with small stocks.

Glucose.—Guaranteed water-white for April delivery has sellers at 30*s*. 6*d*. and May-June delivery at 29*s*. 6*d*. per cwt., duty paid, landed terms.

Honey is steady, and although spot stocks are heavy, they are mostly middling and low grades. Pale set Jamaica is offered at 50*s*., good amber set 45*s*., and dark 35*s*. San Domingo is 35*s*., Californian 67*s*. 6*d*., and Australian 40*s*. to 45*s*., ungraded Chilian 55*s*. up to 85*s*. for fine white set.

Ipecacuanha is quiet, with fair Matto Grosso offering at 9*s*. 6*d*. and Minas at 8*s*. 6*d*. to 9*s*. per lb.

Juniper Berries.—Italian to arrive are offered at from 21*s*. to 23*s*. per cwt. c.i.f., being firmer.

Liquorice Juice, after having touched extremely low prices, now shows an appreciation, spot holders asking 127*s*. 6*d*. per cwt. for pure block. Sticks are quoted at from 215*s*. to 220*s*.

Liquorice Root.—Higher prices are quoted from Italy owing to the improvement in exchange, decorticated sticks offering at 96*s*. and cut at 98*s*.; natural cut is 43*s*. per cwt.—all c.i.f. to arrive.

Menthol is steady, with Kobayashi-Suzuki offering at 24*s*. 6*d*. to 25*s*. per lb. on the spot, and for May-June shipment 19*s*. 6*d*. c.i.f. is quoted, with buyers at 19*s*.

The exports from Japan during January for the past three years were as follows:

	1919	1920	1921
Kin	143	162	139
Yen	106,380	253,101	123,878

Mercury.—The cut made in the price last week by leading importers of 1*l*. per bottle to 11*l*. 10*s*. for Spanish has not so far resulted in much new business, the general demand being still very quiet on home and export account. Quotations range from 11*l*. 10*s*. to 11*l*. 15*s*., while the market remains, of course, chiefly subject to the attitude of the leading firm. The American market in the last few weeks has been decidedly weaker, not only because of a fair number of parcels that recently were received from Mexico, but principally in consequence of an import of 2,000 bottles of Italian mercury, whereby the American stocks were swelled appreciably, and thus caused the domestic demand to be withheld. So far as can be gathered, however, this metal is not being pressed on the market. The tendency here seems rather uncertain.

Methyl Anthranilate shows a firmer tendency, and not too plentiful on the spot, at about 15*s*.

Orange Peel.—Fair new crop so-called Maltese is offered at 1*s*. per lb. and ordinary at 9*d*.

Orris is firmer from Italy, fair Florentine sorts offering at 56*s*. per cwt. and Verona at from 38*s*. 6*d*. c.i.f. to come forward.

Podophyllum Root.—American is cheaper, new arrivals offering on the spot at from 105*s*. to 110*s*. per cwt. as to test.

Rhapontica.—Chinese is lower, spot offering at 11*d*. per lb.

Rhubarb.—Further small business has been done in some of the qualities quoted last week.

Senega has eased to 3*s*. 4*d*. to 3*s*. 6*d*. per lb. on the spot as to quantity.

Senna is cheaper. Good medium to bold green Tinnevelly leaf can be had at 10*d*., good bright medium 6½*d*., down to 4½*d*. for thirds. Good new-crop Alexandrian leaf can be had at 1*s*. and green siftings at 9*d*. per lb. *Pods* offer at from 1*s*. to 1*s*. 3*d*. per lb. for good pale to selected.

Shellac is much dearer, the spot price of usual standard TN Orange quality having advanced to 300*s*. to 310*s*., which prices have been paid; fine lemon is 400*s*., fine second orange 350*s*. to 370*s*., RL 1 320*s*., and AC cakey 230*s*. To arrive, sales include April-May shipment at 240*s*., May-June at 200*s*. c.i.f., and May-July at 245*s*. Futures are much higher, sales comprising May 260*s*. to 310*s*., August 220*s*. to 275*s*. to 270*s*. The small spot stocks and American buying have largely assisted operators.

Squill.—Letter quotations from Sicily are higher at from 27*s*. 6*d*. to 28*s*. per cwt., and No. 2 at 20*s*. c.i.f. to come forward.

Stramonium Leaves.—Genuine are quoted at 120*s*. per cwt. on the spot.

Turpentine still shows a tendency to advance, and this has helped in keeping business going on a fair scale, while speculative interest has also shown certain developments. The position here has been made stronger by the constant lightening of warehouse stocks. Recent deliveries were really better than might have been expected considering the coal troubles. Spot closes at 61*s*. 6*d*. and May-June delivery at 62*s*., an advance of about 5*s*. 6*d*. on the week.

Valerian is easier, Belgian on the spot offering at from about 65*s*. to 70*s*. and good Indian at 50*s*. per cwt.

Vermilion.—Makers have reduced prices from 4*s*. 4*d*. to 4*s*. 7*d*. per lb. net, according to quantity.

Wax, Bees'.—Genuine pure Italian to come forward is offered at 161*s*. per cwt. c.i.f.

Wood Oil.—Chinese is much dearer, Hankow offering at 65*s*. per cwt. on the spot and 53*s*. for shipment.

Seeds and Spices.

Anise is steady at 80*s*. per cwt. for Russian and 77*s*. 6*d*. for good Spanish.

Canary-seed has been more active during the past week, and prices are dearer at 65*s*. to 70*s*. per quarter for ordinary to fair, and at 95*s*. for good Morocco. Spanish is also firmer at 145*s*. to 155*s*. for fair to good bold.

Caraway-seed is steady at 28*s*. to 30*s*. 6*d*. per cwt. for fair to good Dutch on the spot.

Cassia Lignea is dull of sale, with spot sellers of whole selected at 29*s*., and broken at 20*s*.

Chillies.—At auction 67 bags Zanzibar offered without reserve, and 55 sold at 85*s*. for fair light reddish mixed yellowish, and at 25*s*. for common part perished.

Cloves.—Zanzibar continue quiet, with spot sellers of fair at from 9*d*. to 9½*d*. per lb., and for April-May shipment 8¾*d*. c.i.f. is quoted.

Coriander-seed is slow of sale at 18*s*. 6*d*. to 19*s*. per cwt. for sound Morocco, and at 9*s*. to 12*s*. for wormy to slightly wormy.

Cumin-seed is steady at 20*s*. per cwt. for ordinary, and at 22*s*. 6*d*. to 25*s*. for fair to good Morocco. Malta is offering at 30*s*., without business resulting.

Fenugreek-seed is neglected; there are sellers at 9*s*. 6*d*. to 10*s*. per cwt. for dull to good Morocco.

Ginger.—At auction 185 bags Cochin and Calicut rough slightly wormy were held at 35*s*. per cwt. Sound Jamaica continues scarce, the only offers being second-hand parcels, for which higher prices are again asked.

Kola.—At the spice auction 10 bags good Grenada sold at 3*d*., and common at 2*d*. per lb.

Mace has been sold rather more freely, and prices remain low.

Mustard Seed.—Sicilian is offered at 34*s*. per cwt. c.i.f. to come forward.

Nutmegs.—More inquiry has been shown for Singapore and Penang, and prices for the few shipments of 80's afloat have advanced about 1*d*. to 1½*d*. per lb. The bulk of these have already been sold, and it is probable that values will approximate to the spot level, that is, about 1*s*. 2*d*. per lb. At auction 95 packages West Indian mostly sold, comprising long 104's at 6*d*., wormy and defective at 3½*d*. to 3¾*d*. per lb.

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Pepper.—Fair *Black* Singapore is quiet at 3¾*d*. per lb.; for May-July and June-August shipments there are buyers at 3⅝*d*. c.i.f. Lampong is 4½*d*., Tellicherry 4½*d*., and Aleppy 4*d*. *White* pepper is also quiet, Muntok on the spot offering at 8¼*d*. per lb., at which sales have been made, and May-July shipment at 7¾*d*. c.i.f. Fair Singapore is 7¾*d*. spot, and June-August shipment 7½*d*. c.i.f.

Pimento is fairly steady at 2⅝*d*. per lb.

Essential Oils.

There have been no important changes to record during the week and a moderate inquiry for a few articles continues. To come forward star anise and cassia oils are a shade firmer; spot is unchanged. Bergamot is firm, but lemon and orange oils are weak, buyers appearing to withdraw when higher prices are asked. American peppermint has been in moderate demand. Cedarwood, Spanish pennyroyal, spearmint, and wintergreen (sweet birch) oils are easier. West Indian bay and Spanish spike are lower, and a further reduction has been made in Bourbon geranium.

Anise (Star) is quiet on the spot at 2*s*. 3*d*. per lb. to 2*s*. 1½*d*. for a line. To come forward the price is firmer at 2*s*. 3½*d*. c.i.f. first hands, although 2*s*. 2*d*. c.i.f. would probably buy at second hands.

Bay.—West Indian is lower on spot at from 15*s*. to 17*s*. 6*d*. per lb., according to seller.

Bergamot is firm. Good brands on the spot, 37 to 39 l.a., are quoted at from 22*s*. to 23*s*. per lb. For prompt shipment 22*s*. c.i.f. would be accepted, although higher prices are mentioned.

Cassia.—Spot 80 to 85 c.a. is unchanged at 4*s*. per lb. To come forward the price is dearer at 3*s*. 4*d*. to 3*s*. 5*d*. c.i.f.

Cedarwood is easier on the spot at from 3*s*. 3*d*. to 3*s*. 6*d*. per lb. in drums.

Citronella.—Some business has been done in Ceylon about 1*s*. 2½*d*. per lb., which represents the spot quotation. Java is uncalled for at 2*s*. 9*d*.

Fennel.—Spanish sweet is unchanged at 6*s*. 9*d*. to 7*s*. per lb.

Geranium.—Bourbon has again declined, with 18*s*. to 20*s*. per lb. quoted for spot, according to quantity and source. Algerian has been sold to foreign markets, but there is very little spot inquiry and quotations are nominally about 31*s*. to 32*s*. Spanish geranium is offered in one direction at 75*s*. per lb. c.i.f.

Juniper Berry.—B.P. Spanish oil is quoted at 6*s*. 6*d*. to 6*s*. 9*d*. per lb. on the spot.

Lemon.—Spot prices are substantially unchanged at about 3*s*. to 3*s*. 3*d*. per lb. An easier tendency forward is indicated at the same figures.

Marjoram is nominal at 6*s*. per lb for spot.

Mint.—Japanese dementholised is quiet and unchanged at 4*s*. 1½*d*. per lb. spot for Kobayashi-Suzuki. May-June shipment is unchanged at 4*s*. 3*d*. c.i.f. The exports from Japan during January for the past three years were as follow:

	1919	1920	1921
Kin	129	222	189
Yen	37,679	125,774	60,237

Nutmeg is cheaper on the spot at 7*s*. 3*d*. to 7*s*. 6*d*. per lb.

Orange.—Sweet Sicilian, which showed a somewhat firmer tendency last week, has been shaded on the spot to 11*s*. per lb. for good brands, with up to 12*s*. 6*d*. quoted in some quarters. To come forward 12*s*. 6*d*. c.i.f. is about the average figure. Bitter is quoted at 9*s*. to 10*s*. per lb. spot and 10*s*. to 11*s*. c.i.f. West Indian is maintained at about 12*s*. 6*d*. on spot. Spanish on the spot is according to holder and quantity.

Pennyroyal.—Spanish is slightly easier on the spot at from 5*s*. to 5*s*. 3*d*. per lb., according to seller and quantity.

Peppermint.—American tin oil has been in fair demand at from 17*s*. 6*d*. to 18*s*. per lb. for best brands on the spot, which is slightly easier.

Pimento is quiet at 18*s*. to 19*s*. per lb.

Rosemary.—For good quality Spanish 2*s*. 6*d*. per lb. is about the current quotation, but business would be done at slightly under.

Sage.—To come forward is quoted at 3*s*. 6*d*. to 4*s*. c.i.f.

Sassafras.—Natural is quiet at from 9*s*. 3*d*. to 9*s*. 6*d*. per lb.

Spearmint is not in much demand at 33*s*. to 35*s*. per lb., which is slightly easier.

Spike.—Spanish varies from 4*s*. 6*d*. to 5*s*. 6*d*. per lb., according to holder and quantity.

Thyme.—Spanish oils are quiet at present, and spot quotations are made as follows: From 27 to 30 per cent., 5*s*. 6*d*. per lb.; 30 to 35, 5*s*. 9*d*.; 40 to 45, 6*s*. 9*d*.; 50 per cent., 8*s*.; 60, 9*s*. Some importers specialise in thymol containing oils, carvacrol being, of course, the usual constituent.

Wintergreen (Sweet Birch Oil).—Spot is slightly easier at 25*s*. to 27*s*. 6*d*. per lb.

Pharmaceutical Chemicals.

A tendency to "firm up" is noticeable among prices this week; stocks are limited and holders are showing no signs of weakening their quotations. Business is still on the quiet side, but there are hopeful signs of an improvement when matters in the industrial world become more settled. Sulphonal and methyl sulphonal are higher, potassium sulphoguaiacolate firmer, and amidopyrin easier.

Acetanilide is well maintained at 1*s*. 9*d*. to 1*s*. 10*d*. per lb., and is not likely to go below this figure; market is rather quiet.

Aloin is in fair demand, U.S.P. offering ex stock at 5*s*. 6*d*. per lb.

Amidopyrin is slightly easier, dealers offering at 22*s*. 6*d*. to 23*s*. per lb. on the spot.

Aspirin is fully steady and inclined to harden at from 3*s*. 6*d*. to 3*s*. 9*d*. per lb. for finest qualities; there is a fair demand.

Atropine Sulphate is quoted unchanged and quiet at 23*s*. to 24*s*. per oz.

Barbitone is well maintained, with the market quiet at 15*s*. to 15*s*. 6*d*. per lb.

Benzoic Acid is steady at 2*s*. 3*d*. per lb.

Benzonaphthol is generally quoted at about 10*s*. per lb., some offering at about 9*s*. per lb.

Betanaphthol.—Resublimed is offered at 4*s*. 3*d*. per lb.

Bromides are showing up slightly easier this week; potassium crystals are about 10½*d*. to 11*d*.; ammonium is still quoted at 1*s*. 3*d*. to 1*s*. 4*d*.; sodium is easier at about 1*s*. 1*d*. per lb.

Caffeine.—Pure, is obtainable at about 21*s*. 6*d*. to 22*s*. per lb.

Calcium Lactate is easier, with spot sellers at 2*s*. 6*d*. per lb.

Chloral Hydrate is inclined to be a little easier and is now offering at 4*s*. 9*d*. to 5*s*. per lb.

Citric Acid is in fair demand, and spot prices from dealers are firm at 2*s*. 5*d*. per lb., less 5 per cent.

Cream of Tartar is in better demand, and spot prices have advanced about 5*s*. per cwt. to 140*s*.

Creosote is unchanged at 4*s*. 9*d*. per lb. for B.P.

Creosote Carbonate has eased off during the week, and is now quoted at about 15*s*. 6*d*. to 16*s*. per lb.

Gallic Acid.—Pure is quoted at 4*s*. 9*d*. per lb. on the spot.

Guaiacol Carbonate appears quite steady and unchanged at about 15*s*. to 15*s*. 6*d*. per lb.

Hexamine is a little firmer this week; values are well maintained at 5*s*. 6*d*. to 6*s*. per lb.

Homatropine.—Current prices are: Hydrobromide, 50*s*., hydrochloride 62*s*. 6*d*., and the alkaloid 65*s*. per oz.

Hydroquinone is cheaper than when last quoted, importers offering at 5*s*. 3*d*. per lb.

Mercurials.—Owing to the decline in mercury, the price of salts has been reduced 3*d*. per lb. by the makers, who quote 1-cwt. lots assorted as follow: Calomel, 5*s*.; corrosive sublimate, 4*s*. 7*d*.; persulphate, 3*s*. 8*d*.; red precipitate, 5*s*. 10*d*.; levig. ditto, 5*s*. 4*d*.; sulphuret with sulphur, 4*s*. 2*d*.; white precipitate, 5*s*. 5*d*.; and yellow oxide, 5*s*. 2*d*. per lb., all net.

Methyl Salicylate remains at 2*s*. 9*d*. per lb. in carboys and 3*s*. per lb. in bottles.

Methyl Sulphonal.—Guaranteed B.P. quality is scarce on the spot and worth 25*s*. 6*d*. per lb. Most of the offers

apply to the less esteemed U.S.P. quality, at from 21*s.* to 23*s.*

Milk Sugar is about 8*s.* per cwt. cheaper, B.P. powder offering at from 145*s.* to 147*s.* per cwt., according to quantity.

Paraformaldehyde is a quiet and unsteady market, with values easy at 4*s.* per lb.

Paraldehyde remains unchanged at 2*s.* to 2*s.* 3*d.* per lb.; values are not likely to go below these figures.

Phenacetin is somewhat irregular, but a fair average value is about 8*s.* to 8*s.* 3*d.*, though we have heard of 7*s.* 6*d.* in one direction.

Phenazone is now fairly steady and generally quoted at about 9*s.* lb.

Phenolphthalein shows no signs of improvement at from 4*s.* 9*d.* to 5*s.* per lb.

Piperazine is a lifeless market; values are maintained at 4*s.* 6*d.* per oz.

Potassium Iodide.—The exports from Japan during January of the past three years were as follows:

	1919	1920	1921
Kin	3.581	1.803	392
Yen	26.866	15.928	3.614

Of *crude iodine* the exports were as follows:

	1919	1920	1921
Kin	577	181	—
Yen	4.955	1.915	—

Potassium Permanganate.—B.P. is unchanged at 1*s.* 9*d.* to 2*s.* per lb., with limited business being done.

Potassium Sulphoguaiacolate is now much steadier after last week's fall at 8*s.* 6*d.* to 9*s.* per lb.

Pyrogallic Acid is quoted at 9*s.* to 9*s.* 6*d.* per lb. for crystals and at 10*s.* 6*d.* to 11*s.* for resublimed.

Quinine Salts.—Bisulphate is offered at 3*s.* 3*d.*, hydrochloride at 3*s.* 9*d.* to 3*s.* 10*d.* per oz., and ethyl carbonate at 5*s.* 10*d.* per oz.

Salicylates.—Salicylic acid, B.P., is fairly well maintained at 1*s.* 5*d.* to 1*s.* 6*d.* per lb.; sodium salicylate is quoted unchanged at 2*s.* 6*d.* to 2*s.* 8*d.* per lb.; market is rather quiet.

Salol is still weak and rather easier at from 3*s.* 3*d.* to 3*s.* 4*d.* per lb.

Silver Nitrate.—The price for crystals on April 27 was based on a metal price of 34⅝*d.* per oz. as follows: In quantities of 25 oz., 2*s.* 2¾*d.* per oz.; 50 oz., 2*s.* 2¼*d.* per oz.; 100 oz., 2*s.* 1¾*d.* per oz.; 250 oz., 2*s.* 1¼*d.* per oz.; 500 oz., 2*s.* 0¾*d.* per oz.

Sodium Benzoate is much firmer at 2*s.* 3*d.* to 2*s.* 6*d.* per lb.

Sodium Diethylbarbiturate is still quiet, with values maintained at 24*s.* 6*d.* per lb.

Sulphonal is somewhat scarce and rather dearer on the spot at from 25*s.* to 26*s.* per lb.

Tannic Acid.—*Leviss* is steady, and values are firm at about 5*s.* per lb.

Tartaric Acid is steady and unchanged at from 1*s.* 7*d.* to 1*s.* 8*d.* per lb. on the spot.

Terpin Hydrate is cheaper, importers offering at 3*s.* 6*d.* per lb.

Thymol from ajowan seed is offered at 24*s.* per lb. c.i.f.

Vanillin in small lots can be had at 34*s.* per lb., but for quantity this price can be eased by makers and dealers.

Heavy Chemicals.

April 27.

As might be expected, business in the heavy chemical market has been directly affected by the continuance of the labour troubles. The demand generally is extremely poor, but an optimistic feeling is held on the market that trade will show an improvement directly the miners' strike is settled.

Acetic Acid continues to be offered on spot, but the demand is still very poor; 80 per cent. technical, 44*l.* to 45*l.* per ton; glacial is about 54*l.* per ton; values are maintained but not steady.

Alum is unchanged at 18*l.* 10*s.* per ton for lump, in casks; there is but very little movement.

Arsenic is still a very dull market with values almost nominal at about 48*l.* per ton for white powdered.

Bleaching Powder is showing up slightly easier this week on a very quiet market at 19*l.* to 19*l.* 10*s.* per ton for 35 to 37 per cent.

Copper Sulphate is unchanged by makers at 31*l.* per ton in bags and 32*l.* in casks; market remains quiet.

Epsom Salt is offering with only very limited stocks, and prices continue quite firm at about 9*l.* 10*s.* per ton for commercial quality and 10*l.* 10*s.* for pharmaceutical; a fair demand has been experienced.

Formaldehyde is quoted a little easier this week at about from 108*l.* to 110*l.* per ton; only small stocks now held, but the demand is negligible.

Lead Acetate continues almost nominal; brown broken is about 50*l.* and white crystals 56*l.* per ton.

Lime Acetate is also very dull; American 80 per cent. grey material is offering at 13*l.* 10*s.* per ton, but there is very little demand.

Lithopone is unchanged in all qualities on a rather quiet market; 30 per cent. Continental red seal is about 30*l.* per ton; green seal about 35*l.*

Oxalic Acid is a little easier at 9¾*d.* per lb.; market continues quiet.

Potash Caustic continues fairly active, with values well maintained at about 47*l.* per ton for 88 to 92 per cent. material; only small stocks now held.

Potassium Chlorate continues quiet, with quotations unchanged at about 6*d.* per lb. for crystals and powder.

Potassium Permanganate.—Commercial quality is now offering by makers at 1*s.* 8*d.* per lb.; spot lots are quoted at 1*s.* 9*d.* to 1*s.* 10*d.*; there is a little movement.

Sal Ammoniac.—English makers' prices are 75*l.* for firsts and 70*l.* per ton for seconds for lump; crushed or powdered 5*l.* per ton extra. These prices are nominal, however.

Saltcake.—Ground and unground is neglected; the following figures may be taken as nominal: 6*l.* 10*s.* in bulk, 7*l.* 10*s.* in bags f.o.b.

Soda Ash (58 per cent. light alkali) continues to be offered on spot at 9*l.* to 9*l.* 10*s.* per ton; limited stocks are offering, but the demand is very small; makers' prices for home trade only, 8*l.* 10*s.* per ton in bags.

Soda Crystals.—English makers' prices remain unchanged at 7*l.* per ton in bags, carriage paid to destination.

Soda Hyposulphite is firmer and in good demand on the spot at 27*s.* per cwt. for good photo. crystals in ton lots; and slightly cheaper to come forward.

Sodium Caustic.—Makers' price is 26*l.* 15*s.* per ton for 76 to 77 per cent. in large drums f.o.r. and 24*l.* 10*s.* for 70 to 72 per cent. Spot parcels continue to be offered at about 21*l.* 10*s.* to 22*l.* f.o.b. for 70 to 72 per cent. material; American 76 per cent. quoted at competitive figures c.i.f. Continental ports and U.K. Again this week there is no evidence of business being transacted.

Sodium Hyposulphite remains very steady with a limited demand for the small stocks now available. Pea crystals in 1-cwt. kegs are firm at 27*l.* to 28*l.* per ton; commercial quality is 20*l.* to 21*l.* in bags and casks.

Sodium Nitrate continues to be quoted by makers at 21*l.* per ton for 96 per cent. material f.o.r. Liverpool; the demand is not good.

Sodium Prussiate is still offered by makers at 7½*d.* per lb.; holders of stock lots have reduced their prices to this figure also.

Sodium Sulphide (60 to 62 per cent. solid) is showing up slightly easier at about 27*l.* to 28*l.* per ton; market continues very quiet; concentrated in casks is now offered at the reduced figure of 25*l.* per ton.

Sodium Sulphite.—Anhydrous is quite neglected and nominal at 28*l.* per ton.

Tin Crystals continue to be quoted by makers at 1*s.* 7*d.* per lb.; market quiet.

Zinc Products.—There has been a good deal more business going through in zinc oxide, which has assumed a firmer tone, although current quotations are virtually the same as before, ranging from 44*l.* 10*s.* to 47*l.* for white seal, 42*l.* 10*s.* to 45*l.* for green seal, while red seal is moving off at 40*l.* per ton. High-grade Australian zinc dust stands at 55*l.*, business being very slow owing to the coal strike. Best English is quoted 60*l.*, and high-

grade American 55*l.* to 62*l.* 10*s.* The lower grades of Continental dust are neglected.

Coal-tar Products.—During the week business has been extremely quiet and holders of stocks have made considerable cuts in their prices. Betanaphthol is still quoted at 1*s.* 9*d.* per lb. on a quiet market. Aniline oil and salt maintained at 1*s.* 4*d.* per lb. Benzol is slightly easier, and is now quoted at 2*s.* 5*d.* per gallon for 90 and 2*s.* 6*d.* for pure. Solvent naphtha (90 to 160) is decidedly cheaper at current quotations of 1*s.* 11*d.* per gallon. Heavy solvent naphtha (90 to 190) is also much cheaper this week at 2*s.* 4*d.* per gallon; market is still quiet. Crude burning oils have now been reduced to the low figure of 8½*d.* and 8*d.* per gallon. Creosote oil is now quoted by holders at the cheap figure of 7½*d.* per gallon; the market is still quiet. Carbolic acid crystals are still offering at 7½*d.* per lb.; there is not much business being done. Cresylic acid is slightly cheaper in all qualities; crude is offering at 1*s.* 10*d.* per gallon and 97 to 99 per cent. at 2*s.* 4*d.* per gallon. Naphthalene continues quiet, with values unchanged from last week's quotations. Crude, 69*l.*; powder, 28*l.*; flakes, 28*l.* Pitch is very quiet, and holders are offering at the reduced figure of 3*l.* per ton in bulk.

Hamburg Drug and Chemical Market Report.

The market report of a leading Hamburg wholesale drug-house, dated April 15, begins with the statement that since the cessation of hostilities no event has affected so profoundly the economic structure of the world as the breaking-off of the London Conference, which proved barren of results, and the subsequent application of the economic "sanctions." The general uncertainty which prevails, not only in Germany but also among the Allies themselves, has resulted in completely paralysing export trade "with those countries which are still inimical to us," while it has naturally stimulated trade with neutral countries. Unofficial attempts at boycotting have been made both here and there, inspired with the idea that merchants, conscious of their self-respect, should refrain from providing each other with means of profit. The markets of Central Europe have been deliberately closed, and automatically millions of workers are deprived of work, or placed on reduced time. The mercantile world is becoming smaller among those who participate; bankruptcies are on the increase; the world's freight market is declining in consequence of the enormous amount of idle ships. If a way out of these conditions is to be found for Germany, as well as for the countries hostile to Germany, reconstruction will have to be carried out on different lines than has hitherto been the case, as the present way is doing no good to anybody. Uncertainty still prevails in the drug and chemical market. The ever-increasing costs stand in no relation to the unsatisfactory profit resulting from the prevailing kind of business, which consists only of small orders, entailing considerable work. The supply still exceeds the demand, and in addition there are wide margins between quotations by manufacturers and dealers and the market prices, which await adjustment. Prices are quoted in marks for 1 kilo. for orders of original packages. Breaking bulk entails an extra charge of 5 to 10 per cent. Payment is to be made within fourteen days of the date of the invoice, net cash.

Acetanilide.—No large transactions have taken place. Small quantities have changed hands at m.25. Supplies continue to be plentiful.

Acetic Acid (Glacial, 98 to 100 per cent.) is scarce and firm at m.15, and m.16 for export.

Acetylsalicylic Acid, owing to decreasing stocks and advancing price, has been largely purchased by foreign buyers at m.78.

Ammonium Bromide has remained neglected at m.22.

Antipyrine.—The demand has declined; quoted at m.250.

Aspirin is quoted at m.160, for export m.200, without being in much demand.

Atropine has been neglected at m.9,000.

Balsam Peru has changed hands in small amounts only at m.280.

Benzaldehyde, almost free from chlorine, for foodstuffs, has been in greater demand at m.42, and m.48 for export.

Bismuth Subnitrate and Subgallate has remained stationary at m.240.

Caffeine (Pure) is offered in small amounts only at m.750, and is dull.

Cream of Tartar (98 to 100 per cent.).—Makers are firm, and stocks in dealers' hands have decreased, therefore the price is firmer at m.30, and m.32 for export.

Ergot has declined very considerably, and Spanish is obtainable at m.125.

Glycerin is easier, and can be obtained at m.25.

Guaiacol Carbonate has been neglected at m.400.

Heliotropine has declined to m.350.

Hexamethylentetramine has been particularly in demand by foreign buyers at m.140.

Hydroquinone remains firm at m.115, and for export m.125.

Lycopodium.—The number of buyers is far larger than that of suppliers, and when obtainable m.450 is willingly paid for genuine.

Milk-sugar has declined to m.25, for export m.29.

Oxalic Acid is m.13, for export m.20, and in demand.

Phenacetin remains firm at m.130, for export m.150.

Phenolphthalein.—Sales have increased at m.65, and for export m.70.

Potassium Bromide.—The stoppage in export business has put an end to transactions in this line, so favoured by foreign dealers. Granular is quoted m.17 and crystals m.18.

Potassium Chlorate is offered at m.7, but is in greater demand for export at m.8.50.

Potassium Permanganate.—Practically no transactions at m.35.

Quinine Hydrochloride.—Supplies are not very plentiful, and small transactions have been made at m.1,500.

Resorcin has been neglected; offered at m.175, for export m.200.

Salicylic Acid had declined to m.25 in consequence of compulsory unloading, but has since recovered to m.30, and m.33 for export; in view of decreasing stocks is exhibiting a better tendency.

Salol has not been in demand; market price is m.60.

Silver Nitrate is now neglected, a sign that it is often dealt in for merely speculative purposes. It is now quoted at m.700.

Tartaric Acid.—In addition to the continually growing number of small orders coming in there has recently been an increased demand for large quantities, leading to a firmer price. Powder and granular are quoted m.35, crystals m.38; for export an additional charge of m.2 for each kilo. is made.

Theobromine Sodio-salicylate.—Only slight demand; price m.400.

Sierra Leone Ginger.

According to the Colonial Office report on Sierra Leone for 1919, just issued, the total export of ginger in 1919 was 1,069 tons, valued at 31,110*l.* Compared with the figures for the previous year, there is a decrease of 507 tons, valued at 8,196*l.* Prices ruling during 1919 do not compare favourably with the 1918 prices, and to this fact is attributed the falling-off in shipments. The chief customers for ginger in 1919 were the United States of America and the United Kingdom, each taking, roughly, two-thirds of their previous year's purchases. The small balance remaining went to the Gambia and Senegal. In considering the decrease it should be remembered that considerable stocks were carried over from 1917 to 1918, thus inflating the export figures of the latter year. The average price per cwt. in 1919 was 49*s.* 7*d.*, compared with 90*s.* in the previous year.

Pharmaceutical Products for Lithuania.

The following is an extract from a communication received at the Department of Overseas Trade from the British Vice-Consul at Kovno. The information was handed to him by a local public company: "Prior to the war Russia carried on an extending trade in pharmaceutical products and perfumery with British firms. Under present conditions, in view of the fact that Lithuania has become an independent State, the idea of the resumption of this trade with the United Kingdom is gaining ground. We have had submitted to us multifarious German propositions, have had German reports, and been visited by German agents, but to our regret have heard nothing from British firms. Lithuania has great need of medical products. Though we have not anything resembling accurate statistical data to submit, we endeavour to give an idea of the total turnover in our country by saying that there are not less than 300 apothecaries' shops or pharmaceutical establishments in existence which individually have a turnover of not less than 100,000 marks' worth of pharmaceutical products, or an aggregate annual total turnover of some 30 million marks. This figure, we feel certain, is, in fact, well below the mark. If it were possible to submit to us a price-list of British pharmaceutical products, we could judge whether it would be possible for us to deal with Great Britain under prevailing conditions, which are profoundly affected by the low price of the German mark."

Ladies' Benevolent Fund Sewing Guild.

Sir,—Would you kindly announce in The Chemist and Druggist that the prize by Mr. G. Stephens Steven, managing director of Eucryl, Ltd., for the best piece of needlework, offered at the North London Pharmaceutical Association annual dinner after the toast of "The Ladies' Sewing Guild" had been honoured, has now been supplemented by another by Messrs. Glaxo? We shall be able to award one prize for coloured work and one for white. My Committee have decided, with the consent of the donors, that it would help the cause to throw the competition open to all Associations systematically working for the same purpose. I should be glad to hear from any ladies desiring to compete, in order to make all the necessary arrangements. The conditions are attached

(Mrs.) L. Skinner, Hon. Secretary.

16 Priory Gardens, Highgate, N. 6.

Rules for the Competition.

That the competition shall be open to the ladies of the London Pharmaceutical Associations and similar Associations in the country who have been engaged in systematic work for the Benevolent Fund Stall and desire to compete.

That the needlework shall be that of the competitor only, and shall consist of fancy work, white or coloured.

That the work done shall be for the express purpose of this competition, and each article sent in shall be set aside for the purpose of sale at the Benevolent Fund Stall at the Chemists' Exhibition, and the proceeds given to the Fund.

That competitors shall provide their own materials, and be limited to one piece each.

That a *nom-de-plume* shall be attached to the work, and the name and address of the sender sent in a sealed envelope, on the outside of which shall be written the *nom-de-plume*.

That the judging shall be done by an outside expert, name to be published later.

That each competitor shall affix a price to the work at which she thinks it ought to be sold.

That all articles shall be sent in by June 6 to the hon. secretary, Ladies' Sewing Guild, 16 Priory Gardens, Highgate, N. 6.

The Chemist's Title.

Sir,—The correspondence regarding the titles "chemist" and "pharmacist" reminds me of an incident which occurred to me when returning from one of the Local Association Executive Conferences during the war. A soldier in the same compartment, noticing that I was reading something headed "Local Associations Executive," entered into conversation after telling me that he was a chemist. "It's the funniest thing out," quoth he; "you know that the Government have given orders that a certain number of men have to be released from the Army to go back to the land, and I'm one of them." "Surely," was my reply, "they don't regard a chemist as being essential in agriculture?" "No," chuckled he; "this is how it happened. The R.S.M. lined us up and inquired what our occupations were. Of course, I said I was a pharmacist, and to my delight he told me that I would be detailed off to go and milk cows in Cumberland. Blessed be the name of pharmacist, even if R.S.M.'s think it ought to be spelt 'Farmercist.'" Yours faithfully,

Accrington. J. S. Snell.

Sir,—However high-sounding and professional the title of "pharmacist" may seem, there is no doubt that "A Barrister-at-Law" sounds the right note when he points out that it is a bad business policy to drop the old title of "chemist." Every man, woman, and child in the country, from the highest to the lowest, associates the word "chemist" with the man who keeps an open shop for the sale and dispensing of medicines, and if one were the most skilled analyst in the land and informed a stranger that one's calling was that of a chemist, he would, until further enlightened, connect one at once with a retail business. Further, the Pharmaceutical Society was formed to protect chemists and druggists in business, and their qualifications are those of pharmaceutical chemists, and chemists and druggists; no word of pharmacist there. Now, on the Continent we have a different state of affairs altogether; it is both peculiar and interesting to note what a vast difference that strip of water, the English Channel, makes in customs and nomenclature in the different countries. In France it is the pharmacien who is the qualified man, and he keeps a pharmacie; in Italy the farmacista has his farmacia, and in Germany there is the apotheker, the apotheke being his shop, and there is no use of the title "chemist" in this respect at all. But in these countries the pharmacist enjoys a professional status and protection, and the sale of side lines is left mainly to the druggist or droguiste, while the medical man is barred from dispensing. As I write I have before me a polyglot circular issued by a droguiste of Lausanne, and he calls his premises in the different languages respectively—drug stores, droguerie, and drogengeschäft—and advertises a wide range of articles, including photographic goods, artists' materials, sponges, brushware, perfumery, mineral waters, etc., and as a tip to English chemists in health resorts I may add that on the reverse he gives a good plan of the town, showing car routes and places of interest. I wonder how many of us have come across the word "pharmacopolist." In looking up a French-English dictionary published in Paris I find this given as the translation of "pharmacien," and trace the word in a Johnson's dictionary I have, dated 1785, where it is given as a vendor of medicines. Possibly the French lexicographer based his work on Dr. Johnson; anyway, I offer the title to anyone who has outgrown the word "chemist," and hope that his customers will use it when addressing him. And last, but by no means least, we have our favourite paper, The Chemist and Druggist, not the "Pharmacopolist," or any other fancy title, and the results have more than kept pace with the name. Apart from the statutory right under the Pharmacy Act, I should think the legal argument of custom and trade usage would be sufficient to uphold our claim to the title.

Yours faithfully,

Chemist and Druggist (23/4).

Examination Failures in Pharmacy.

Sir,—"Xrayser II.'s" remarks (*C. & D.*, April 23, p. 47) regarding the number of students who go down in pharmacy were of vastly more interest to our profession than many a lengthier article. May I, who have been at a school of pharmacy much more recently than "Xrayser II.," though lacking his wide experience and knowledge of life, add a few words on the matter? The trouble, broadly speaking, is the lack of sincerity and determination in the average school student. Frankly, there is a decided leaven among prospective chemists which is of no use to pharmacy at all, to phrase it very mildly; and to me the marvel is, judging from my former fellow-students, that some of the undesirables successfully overcome any subject, academic or otherwise. They play, and poorly too, pose and prance as sports, etc. . . . Here is a glimpse of my quondam acquaintance, Mr. Sportiboy. He has just finished his practical work for the day; not too badly have his salt and volumetric work turned out is the verdict he throws to the bevy of nice young women—the official cats having disappeared—who surround him. "Oh, Mr. Sportiboy," cries one of the comeliest, "your poor horse is scratched from the big race next week!" The others crowd around the newspaper she holds (days before Mr. Sportiboy had whispered of 1*l.* each way on some mythical steed at extraordinary odds). "Yes," murmurs Sportiboy, "it's hard to lose such long odds." Mr. Sportiboy may not learn till he turns sixty what an ass he was in the dear, dead days. And here is Mr. Rabelais, to whom someone has remarked that his face is like a girl's. "That reminds me," says Mr. Rabelais to the mixed group of which his slight figure is the nucleus. Then follows a long, dreary story of his prowess in love affairs. Mr. Curseitalways cannot control his language—when the powers that be are out of hearing. At materia medica Mr. Jesterfield holds his court—when the coast is clear once in a while. If Mr. Jesterfield never qualifies—which would scarcely be a national calamity—there yet remains the stage of the music-hall.

There are others, but enough. One is left to ask, "Will this leaven resolve itself in the course of years, with growing wisdom, into a nobler compound?"

Yours truly,
PHARMACYNICUS (7/9).

Insurance Dispensing.

SIR,—The cutting from the "Birmingham Mail" (*C. & D.*, April 23, p. 34) touches a note that should be listened to by all panel chemists. I do not mean to say that all panel chemists send out their medicine in the way inferred in the "Birmingham Mail"—far from it; and although I do not know the Birmingham district, I cannot think that the remarks are correct as applied to the "average local chemist"; but there are undoubtedly cases where the turn-out is not so good as it should be, due possibly rather to conditions of working than to intentional slovenliness. It is as well to bear in mind that the new tariff terms state that there should be increased facilities for the inspection of panel medicine, and people are often apt to judge the contents by the container, so that it may save a lot of unnecessary trouble in the finish by a little more care at the start. The practice of sticking labels one over the other, and using corks over again, and so on, is wrong, although the retail chemist is not the worst offender by any means in this respect. I have seen stores bottles in far worse condition than any private trader's. There are, of course, always two sides to the question. When I was an assistant in a high-class dispensing business, some years ago, the same container was never used twice, not even for repeats, a fresh bottle being taken every time, and, of course, new labels and corks, the cork fastened over with a band and the bottle wrapped in best demy. This is, of course, too extreme for panel work; and it is an open question whether, even under the new terms, the margin is sufficient to pay for the time and trouble taken to turn out medicine in anything approaching style, while the speed with which the panel patient expects to receive his bottle precludes the possibility of a high-class finish, especially during the rush hours. But there is a *via media* in all things, and if the work is worth doing at all, it is worth while turning it out conscientiously.

Yours faithfully,
HIGHLOW (19/9).

SIR,—I am afraid there is a great deal of truth in the letter in the "Birmingham Mail" of April 15 which was referred to in your last issue. I quite agree that the rates of payment are low, but the dispensing required rarely consists of more than filling the bottle from a stock mixture, so there is surely no excuse for dirty labels and corks. Where dispensers are employed in doctor's surgeries there is nowadays an effort to attain a reasonable standard of cleanliness and smartness, so it is pathetic to see the way panel prescriptions are turned out from even pharmacies of a good stamp. I suggest that this is "bad business," and that any amounts that may be saved are lost by the bad impression conveyed. One sees pharmacies guilty of these careless practices spending considerable sums in advertising. Surely the proprietors forget that a contented client is the best advertisement!

Yours truly,
M.D., PH.C. (22/4).

Waiting for Medicine.

SIR,—The impatience of panel patients while their medicine is being dispensed is probably due to the time that they are kept waiting at the doctors' surgeries. It is quite a common thing for a patient to arrive at a surgery promptly at the hour notified, say 5.30 or 6 o'clock, and then have to sit and wait until 7.30 before the doctor turns up. He is naturally by this time "fed up" and irritable, especially as he is already feeling queer from his complaint, and as the average panel customer seems to be afraid of the medical man, he comes round to the chemist and vents his anger when requested to wait a little, and that is when we hear the "grouse" about the time it takes to get the panel medicine. Doubtless when "Xrayser II." refers to the time he has to wait for his medicaments, he refers to those made up at the doctor's surgery and sent to the patient's home, as I cannot think that any dispensing chemist would leave medicine over to the morrow, whether panel or otherwise, without the customer's consent. At any rate, I have worked in a good many businesses, both high-class dispensing and panel work, and have never known any ordinary work left over, although some of my customers tell me that it is done at store shops. Many of the panel patients of to-day were the old club subscribers, and then they used to get their advice and medicine at the same time; and now they object to having to go to two separate places, especially after the long wait at the first one, but the peculiar part about it is that they never complain to the Insurance Committee about the doctor's dilatoriness, although prompt to do so about the pharmacist.

Yours faithfully,
C. B. (19/9).

Musk in Medicine.

SIR,—The reference to musk in the *C. & D.*, April 2, p. 55, must recall to your older readers the days when musk was largely prescribed. In the Medical Hall in which I served my apprenticeship we handled the prescriptions of a couple of famous physicians who were particularly fond of ordering musk, so that rarely a week went by that we did not see "Moschi gr. i. vel gr. ij. vel gr. iij." ordered for one of their patients. It would be a pity if the drug were to disappear, as it has still its advocates, and appears in the latest Pharmacopœia of the United States, both as the dried secretion from the preputial follicles of *Moschus moschiferus* and tinctura moschi (5 grm. to 100 ml.), of which the dose is 1 drachm. So recently as March 29, 1919, Dr. Arthur Ransome, F.R.S., wrote to "The Lancet" calling attention to the value of musk as a heart stimulant in severe cases of influenza. Dr. Humphry Davy, he states, used the drug in the treatment of typhus fever in Ireland with good effect in the second week of the disease. He continues: "It certainly seemed to do good when I gave it in grain doses in the influenza epidemic of 1890. Several cases of double pneumonia in octogenarians so treated recovered. The only objection to its use is its high cost, which at that time was a shilling a grain. I am informed that it is now selling at 6*d.* per grain. It is well worth the expenditure." There is very little about the remedy in modern books on pharmacology; for instance, Cushny does not mention it. In "Pharmacology and Therapeutics," by H. C. Wood, musk, it is stated, "has been extraordinarily lauded by some of the older writers in hiccoughs and in the exhaustion of low fevers, as typhoid and adynamic pneumonia." Whitla only refers to it indirectly in the section on oleum cajuputi. He declares that 10 minims of the cajuput oil, diluted in an emulsion with mucilage and sugar, produce effects not unlike those following the exhibition of musk. "It will be found useful in the prostration of low fevers, neuralgia, and hysteria." I can corroborate this statement, as I used oil of cajuput extensively during the last influenza epidemic as a substitute for musk, which was out of the question in the class of practice in which I was engaged. I gave 5 minims on a lump of sugar three times daily.

Yours sincerely,
IRISH APOTHECARY (19/4).

Subscribers' Symposium.

Warning.

Parke, Davis & Co. write: We think your readers should be warned that certain attractive quotations for pepsin, B.P., which are being made just now relate to products grossly under strength. We followed up two such offers recently, and the samples obtained in the one case tested only 1.250 and in the other 1.700, as against the 1.2500 required by the B.P.

The Photographic Fair.

G. W. G. (23/4), referring to the properties of "Densitol" (*C. & D.*, April 23, p. 54), points out that development cannot be conducted in daylight, but when this dye is added to the developer the operation can be carried out in weak artificial light or orange light in place of red.

Legal Queries.

F. E. M. (16/4).—The time for sending in applications for registration under the apothecaries' assistants by-law of the Pharmaceutical Society expired on December 31, 1920. Full particulars of the conditions of registration were given in the *C. & D.* in the early part of 1920.

Floreat (20/4).—A month's notice on either side is the custom of the trade—enforceable by law—in the case of chemists' assistants. The fact that an assistant is paid weekly does not alter the case unless there is an agreement to accept a shorter or longer notice of termination of engagement.

J. B. (18/4) has just become tenant of premises comprising a shop and living-rooms. A demand note for taxes due for the period ended October 5, 1920, has been served upon him, the collector stating that the previous tenant failed to pay the amount and that "J. B.," as present occupier, is bound to do so. Can the demand be enforced? [Assuming that the amount claimed was, in fact, chargeable, and has not been paid, "J. B.," as occupier, is bound to pay it; but he is entitled to recoup himself by deducting an equivalent amount from his next payment of rent.]

H. A. (18/4) owns a house which, in August 1914, was let at a rent of 18*l.* a year. During the war the rent was reduced to 16*l.*, and "H. A." wishes to know by what amount he may increase the rent, and whether he must give notice of the increase on a printed form. The tenant pays the rates. He also wants one of his houses for his own occupation, and asks whether he can get rid of the tenant by giving three months' notice. [Before he can increase the rent, "H. A." must give the requisite notice terminating the present tenancy. A month's notice of increase of rent must also be given, and this can be dated so as to expire on the same date as the notice terminating the tenancy. The notice of increase of rent must be in the form prescribed in the Increase of Rent Act, 1920, and it is convenient to obtain a printed form from a stationer. If "H. A." is responsible for all the repairs, the pre-war rent may be increased by 30 per cent. at present, and by a further 10 per cent. after July 2 next, making a total of 40 per cent.—that is to say, 7*l.* 10*s.* If, however, the tenant is liable for repairs, the amount of increase allowed will be reduced. "H. A." will not be able to eject the tenant from the house he wishes to occupy unless he obtains the permission of the County Court, which, in the ordinary case, is given only if equally suitable alternative accommodation has been found for the tenant.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Rebate on Medicinal Spirit.—We were in error last week (*C. & D.*, April 23, p. 64) in stating the amount of rebate allowed on medicinal spirit purchased after April 20, 1920. The amount stated (3*l.* 14*s.*) is the total duty payable, the amount of rebate being 2*l.* 19*s.* 3*d.*, this including 1*s.* 6*d.* allowed by the Immature Spirits Act. We desire to thank the subscribers who have written to point out the slip.

Emp. (20/4).—Ointments containing emp. plumbi are used for ulcers, bad legs, etc., on account of the mild stimulating action the ointments exert. They are quite safe in use.

E. S. D. (15/4).—We do not know of any formula for the preparation of vinegar substitute other than those in which acetic acid is employed. It is possible, however, that vinegar could be prepared in a concentrated form by evaporation, but we have not come across a sample of such a preparation.

J. B. (23/4).—Menthol Solvents.—Martindale ("Extra Pharmacopœia") thus epitomises the solubility factors of menthol:

Soluble 5 in 1 of 90 per cent. alcohol, also in ether 2 in 1, chloroform 4 in 1 approximately, 1 in 4 of olive oil, and in petroleum spirit 10 in 7. Sparingly soluble in water, insoluble in glycerin. Soluble on warming in a strong solution of sodium salicylate, but throws out again.

H. C. D. (22/4).—Dressing Moleskins.—The method used is to stretch the skins by pegging them fur-side downwards on a board, and then apply daily a powder (or strong solution) of alum and sal ammoniac. This is continued for a week or so, and the skin further smoothed with pumice. If the finished skins are not pliable enough, sponge them with a saturated solution of sal ammoniac, and finally rub with bran. The use of arsenical paste in this connection is not now considered necessary.

P. G. (19/4).—P.O.P. Emulsion.—The following is the formula for the emulsion used in the preparation of photographic printing-out paper:

A.—Silver nitrate 32 grams; citric acid, 8 grams; hot water, 160 c.c.

B.—Gelatin, 96 grams; water, 700 c.c.; swell and melt on a water-bath and then add ammonium chloride 2.8 grams.

C.—Tartaric acid, 2.8 grams; sodium bicarbonate, 1.4 gram; alum, 1.8 gram; water, 140 c.c. Dissolve in this order.

Mix B and C at 120° F., warm A to 120° F., and add in small quantities at a time with shaking. Allow to ripen at 100° F. to 120° F., for several hours, filter through glass-wool in a hot-water funnel and coat baryta-faced paper. Matt surface emulsion is produced by adding a small quantity of potato starch to the above emulsion.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," April 15, 1871.

Women as Dispensers.

A letter from Dr. Garrett-Anderson dealing with the suitability of women for the occupation of dispenser is quoted as follows: "There is no reason why women should not be engaged in dispensing, both in charitable institutions, in shops, and in private practice, as assistants to general medical practitioners. As a matter of fact, hundreds of women so dispense, in an amateur way, for their husbands or fathers. We have trained four or five women as dispensers at St. Mary's Dispensary, and we have found them careful and apt pupils, and ready to submit themselves cheerfully to the necessary conditions imposed on them. Our first pupil held the situation of dispenser for the last four years at a salary of 40*l.* a year, and she gave me great satisfaction. I believe that the objections generally raised against the employment of women in this direction chiefly refer to the laborious manipulation with pestle and mortar, the requisite accuracy and exactness for weighing and mixing, or the difficulty an ordinary chemist would experience in receiving women apprentices. It is certainly curious to observe the objections which suggest themselves respecting new employments, which are not even recognised as such under circumstances to which custom has previously reconciled us. Take the last, for example. Girls are continually apprenticed to stationers and drapers, and we all know that measuring ribbons, and selling books and envelopes under a master's eye, and probably with male assistants, can be undertaken without this extraordinary difficulty which a novel proposal encounters. I think that pharmacy is a peculiarly suitable employment for women and it is by no means an untried experiment, for in the last census 338 women were returned as chemists and druggists, and 243 as manufacturing chemists; and though most of these are probably only carrying on the business of a deceased father or husband by means of male assistants, some are, to my own knowledge, conducting the work themselves, and performing the part which usually falls to the head of the establishment."

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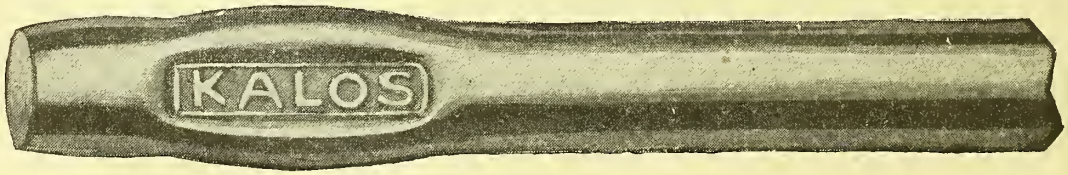

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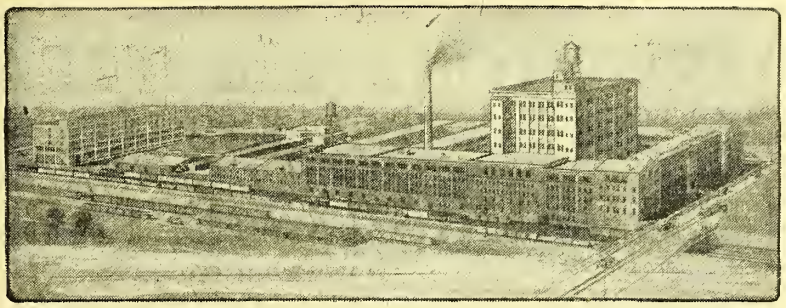

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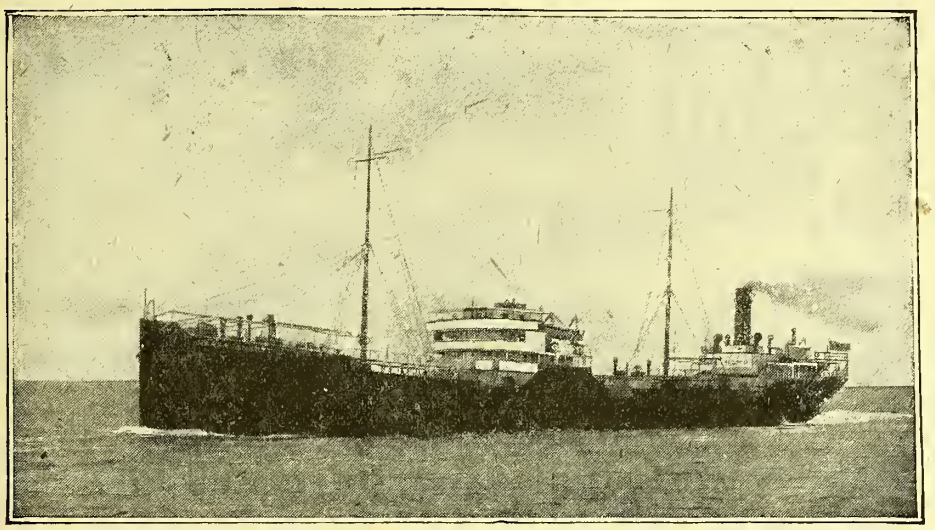

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TRADE MARK

FOR CONSTIPATION

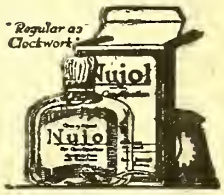
Made by the Standard Oil Co. (New Jersey), New York, U.S.A. If your wholesale house cannot supply you, write to the sole distributors for the United Kingdom: The Anglo-American Oil Co., Ltd., Minerva House, Bevis Marks, London, E.C.3. For India: Muller & Phipps, (India), Ltd., Bombay, Calcutta, Madras.

WRITE FOR FULL PARTICULARS.

Full details of Special Free goods offers, also advertising and window display materials, on application to the

ANGLO-AMERICAN OIL CO., LTD.

MINERVA HOUSE, BEVIS MARKS, LONDON, E.C. 3.



Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO., LTD.
LIVERPOOL - MANCHESTER - LEEDS.

SALVO PETROLIA
The Perfection of Petroleum Jelly
MANUFACTURED SOLELY BY
THE DEE OIL COMPANY, Ltd.
DELTA WORKS, BOOTLE, LIVERPOOL.
Packed in barrels, kegs and smaller packages according to requirements.
Other Grades
PETROLEUM JELLIES, WHITE BASES, ETC.
Samples and prices on application.
"OLEUM DEELINÆ," a certain cure for Eczema.
Phone: 186 Bootle. *Wires: "Cestrian Liverpool."*

GRASP THIS!!!
HOUSEHOLD PAINTS
(Side lineswhich are profitable to Chemists) and make a satisfied Customer every time.
In 1, 2, 7, 14-lb. Lever Tins, attractively packed with your name an i address on.
"Quality Paints," something rather different than "others."
Reliable Oak Varnishes, packed in Pint Tins.
L.H.C. WATER PAINTS (*Lines worth Pushing.*)
Write to-day for Tint Cards and Particulars—
L. HALL & CO.
Paint and Varnish Mfrs., DARWEN.

Established over a Century.
SAMUEL THORNLEY, LTD.
WHOLESALE DRUGGISTS AND DRYSALTERS, OIL IMPORTERS, GREASE AND VARNISH MANUFACTURERS.
Members of the Methylating Company, Limited.
Telephone: 2271 Central (3 lines).
Telegrams: "TURPS B'HAM."
Head Office:
6 Snow Hill, BIRMINGHAM.
Works - - - Slaney Street, Wharf Street.
Branches:
GOSTA GREEN.
GOOCH STREET.
DERITEND.
JOHN BRIGHT STREET.

PREMIER
CASTOR
OIL

IN BARRELS
IN TINS & CASES
IN DRUMS

PREMIER OIL EXTRACTING MILLS Ltd.
STONEFERRY,
HULL.

Also Manufacturers of
OILS RAPE SOYA GROUNDNUT MEALS

PARAFFIN WAX
PETRO-LEUM JELLIES
Sterns Ltd. 80 Royal London House, Finsbury Square, E.C.2
WHITE OILS
PARAFFIN LIQUID

FORD, SHAPLAND & CO. LTD.
FINE ART PRINTERS
GT. TURNSTILE
HIGH HOLBORN W.C.I.
TELEGRAMS: FORSHAPCO, WESTCENT, LONDON
TELEPHONE: CITY 65

It is Easy to Sell when it's Advertised Well.

The new advertising campaign of Fairy Dyes is commencing now in every leading Lady's Weekly and Monthly throughout Great Britain. Get ready now for the spring-cleaning time demand.

This intensive campaign is being handled by a leading Agency, and will appeal to the public as never before. It will convince them by forceful "copy" and appropriate sketches of the folly of merely asking for *a* home dye and not for *the* home dye—

FAIRY DYES

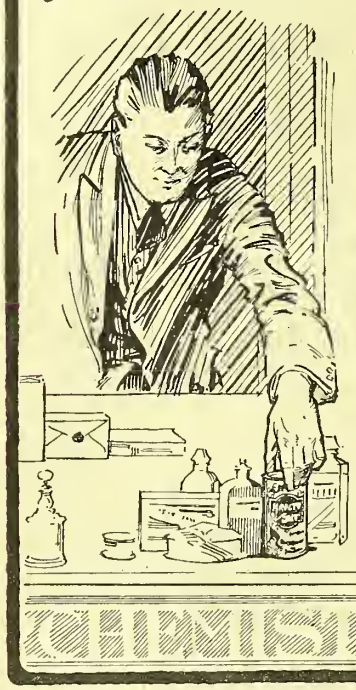
Quick turnover, increasing sales, repeat orders, for a dye that is simple to use and certain of splendid results, a choice of twenty-two different shades, all alike suitable for cottons, linens, woollens or silks. These are some of the Fairy features.

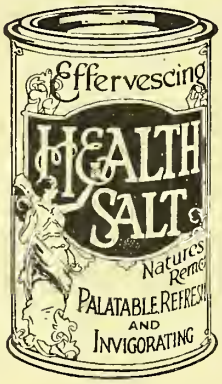
Underline *"Fairy Dye"* in your mind. Put it to yourself this way. "Am I ready with plenty of stocks to meet the demand which is almost upon me now? Fairy Dyes are already in demand, and are sold to the public at 2d. per packet. Can I supply them?"

"FAIRY DYES, Ltd."
Registered Office:
20 Renfrew St., GLASGOW.
Telegrams - - - - "FAIRYLAND GLASGOW."

You can meet any competition with our new

HEALTH SALTS





A fine white mobile Powder, dissolving with sustained effervescence.

Packed in Handsome Decorated Tins, rendered air-tight by our special process.

Contents guaranteed 4 oz. net weight.

May we send you Sample Tin and quotation?

CHEMISTS

LORIMER-MARSHALL LTD
12, TOWER HILL, LONDON, E.C.3

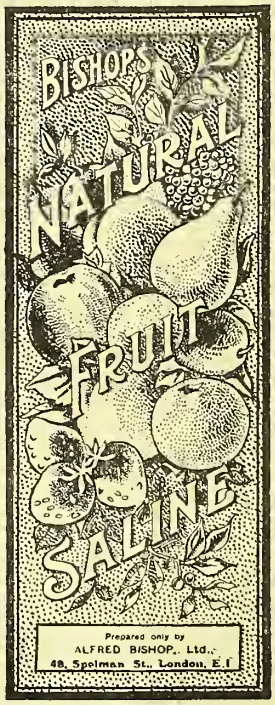
BISHOP'S NATURAL FRUIT SALINE

What it is.

BISHOP'S
Natural Fruit Saline

is free from sugar or saccharine, yet makes a delightfully palatable beverage. Clears the liver and kidneys, and acts as a mild aperient. It is manufactured in small granules and keeps well in any climate.

It pays to push BISHOP'S !



What it costs.

BISHOP'S
Natural Fruit Saline

retails at **2/3** per bottle P.A.T.A.

Wholesale price, **20/-** per dozen.

5 dozen - -	£5 0 0
10% discount	10 0
Net	£4 10 0

Carriage Paid.

Thus showing a profit of **9**d. per bottle.

Attractive show material and price cards sent with each order.

PREPARED ONLY BY **ALFRED BISHOP, LIMITED,** 48 Spelman St., LONDON, E.1

SUGAR CHEAPER

THIS MEANS THAT

Mason's Extract of Herbs

Will be in big demand this season

and chemists are requested to replenish their stocks.

Send for Price List to

Newball & Mason

NOTTINGHAM.

Dr Hale's VIN-SANGUIS WINE FOR THE BLOOD

Fountain of Health

If you have a Wine License we will pay the fee. If not, get one, we will pay license.

You agree to display "Vin Sanguis" always. You give us an agreed initial order. You always keep stock

Send for any further particulars

PROPRIETORS OF DR. HALE'S VIN-SANGUIS

Transcontinental Agencies Ld

14, Southampton St., London, W.C.2

Essences

Essential Oils

and

Aromatics

for all purposes.

PREPARED BY

A. Boake, Roberts & CO. LTD.,

100 CARPENTERS ROAD, STRATFORD, E. 15.

Telephones: East 846, 847. Broadway 2440, 2441.

Telegrams: "Boake, Strat, London."

MALT & COD LIVER OIL

Prepared only from the Finest East-Coast Barley, combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lb. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 Gross and upwards.

Telephones: Nitshill—Pollokshaws 14 London—Avenue 5661 (3 lines).

PERRY & HOPE, Ltd.

Telegrams: "Perryope, Nitshill." "Perryope, Led, London."

NITSHILL, near GLASGOW.

London Office: 1 LEADENHALL STREET, E.C.3.

VITMAR

The Medical Profession are recommending VITMAR for delicate Children and Invalids.
If you do not yet stock it your wholesaler will supply you.

Manufacturers—
CALLARD & CO., Food Specialists,
74 Regent Street, LONDON, W. 1.

ESTABLISHED 1839.

CHEMISTS' OVERALLS
From GARDINER & CO.

We supply protective overalls in any colour or style required. They are made by experienced hands for all branches of the Chemical trade.

KHAKI DRILL –	12/6, 16/11, 21/6, 24/6
WHITE DRILL .	14/6, 17/6
BLACK DRILL –	18/6
HOLLAND DRILL –	19/6

Sizes 34, 36, 38, 40, 42 and 44 inches over waistcoat.
SPECIAL QUOTATIONS FOR QUANTITIES.

GARDINER & CO. (THE SCOTCH HOUSE) LTD.
1 Commercial Road, E. 1.
Teleg.: "Durastyle, Phone, London." Phone: Av. 6650 (4 lines).

WINCARNIS

Sells readily ALL the time.

COLEMAN & CO., Wincarnis Works, NORWICH.

IMPORTANT NOTE TO CHEMISTS WITHOUT LICENCES

It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" *without* a licence.

YOUR OWN PROPRIETARY LINE! READY TO SELL!!

THIS attractive two-colour label, with own name imprinted and showcards to match, is reserved to one Chemist only in each locality.

The design is also available for Exporters covering territory not already reserved.

We pack in cartons, composite containers and tin canisters (plain or with own labels affixed free), and in BULK for own packing.

QUOTATIONS FOR TINS, OR TONS UPON APPLICATION.

GEORGE KING & COMPANY,

ALBION FOOD MILLS

1 and 2 SYCAMORE ST., LONDON, E.C.1.

A SATISFIED CUSTOMER IS THE CHEMIST'S BEST ADVERTISEMENT

The Marvel Whirling Spray Syringe

Gold Medal Awarded, Paris, 1902, by the Société d'Hygiene of France

as the latest and best improvement in Vaginal Syringes. Particular attention is called to the fact that by reason of its peculiar construction the Marvel Syringe dilates and flushes the vagina with a volume of whirling spray, which smooths out the folds and permits the injection to come into contact with and cleansing the entire surface.

Fully Protected by Patents.

You can safely recommend it.

Has no rival on the market, is well advertised, pays a good profit, quality guaranteed. The MARVEL is returnable for exchange if found defective and reported promptly.

Trade price, 125/- per doz.

Retail price, 15/- each.

FASSETT & JOHNSON, Ltd.

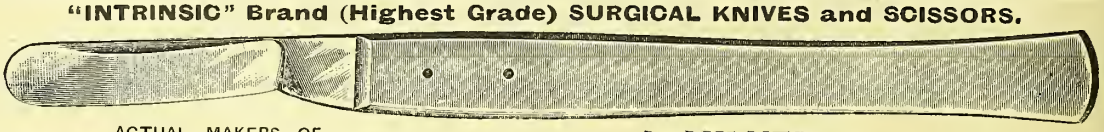
86 Clerkenwell Rd., London, E.C. 1.

ELASTIC GUM SURGICAL INSTRUMENTS.

Catheters and Bougies, in Black or Brown Gum, and Finest Silk Web. Specula, Rectal and Œsophageal Instruments, Horse Catheters and Cattle Probangs. Wholesale and Export only. *Price List from the Manufacturers.*

MASON BROS. & CHAPMAN, 107 Whitecross St., LONDON, E.C. 1.

"INTRINSIC" Brand (Highest Grade) SURGICAL KNIVES and SCISSORS.



ACTUAL MAKERS OF
Amputating, Dissecting, and Veterinary Knives, Symes, Scalpels, Bistouries, Lancets, &c. Pen and Pocket Knives, Table Cutlery. Razors.

J. MILNER & Co.

Orient Works, 36 & 38 Matilda St., SHEFFIELD. (Estd. 1842.)

FOR

TRUSSES

TRY THE MAKERS:—

SAYERS, SILCOX, CUZNER & CO., LTD.,

14, 15, 16 PROSPECT STREET, HULL.

Surgical Dressings

Packed to suit Customers' requirements.

Special Quotations for Large Quantities.

ABSORBENT GAUZES
ABSORBENT RIBBON GAUZES
ABSORBENT WOOLS
ABSORBENT LINTS
ABSORBENT GAUZE TISSUE
WOOD WOOL WADDINGS
GREY CARDED WOOL
JUTE TOW
PEAT MOSS

BANDAGES
OPEN WOVE
CREPE
DOMETTE
FLANNEL
PLASTER OF PARIS
CRINOLINE

JACONETS
SHEETINGS
BATISTES
OILED SILKS & COTTONS
G. P. TISSUE

Carnegie Bros.

Contractors to H.M. Government.

227-229 ESSEX ROAD, LONDON, N. 1.

Telegrams: "Cornebros, Phone, London." ABC Code, 5th Edition.
Telephones: Dalston 3560 and 2318.

INQUIRIES AND CORRESPONDENCE INVITED

WHOLESALE AND EXPORT ONLY.

Repeat Orders

for this, the greatest invention for woman's comfort, prove it a profitable line to handle. Chemists all over the country find the demand growing and are ordering in larger quantities.

ARE YOU SUPPLYING YOUR NEIGHBOURHOOD?

British Patent — SANITARY HEALTHBELT FOR WOMEN — *British Made*

TRADE MARK

Does away with pins, buttons and fasteners. Gives great comfort and is more secure.

BRITISH MADE

Recommended by the Medical and Nursing Professions.

Made in 3 sizes. Selling at 3/6 each.

Advertisements now appearing.

Showcards and Literature supplied.

SEND YOUR ORDER NOW

THE PATENT HEALTHBELT CO. (H. RAPHAEL)

12 & 13 Bouverie St., London, E.C.4

CURASOL

THE ORIGINAL

Boracic Socks

Fixed Selling Price, 6d. per pair.
Cost, 4/- per dozen.
Six dozen lots, 46/- per gross.

Distributing Agents :

England and Wales—

Sangers, 42a Hampstead Rd., London, N.W.1.

Scotland—

Munro, M'Laren & Sutherland,
17 Cadogan Street, Glasgow.

For Sample Pair (state size) send Postcard to—

The Curasol Sock Co.

19/20 Garlick Hill - - LONDON, E.C.4.

TRADE

MARK

YOUR INQUIRIES SOLICITED.

IMMEDIATE DELIVERY.

ARTHUR BERTON, Ltd.

15-17 Worship Street, LONDON, E.C. 2.

MANCHESTER and GLASGOW

77 Lower Chatham Street. 11 Miller Street.

Telegrams: "Aybelim, Finsquare, London."

Phones: Clerkenwell 1347, 1348, 1349 (Private Exchange).

SPONGES!!

Excellent Value in Honey Comb

4/6 6/6 9/- 12/6 15/-
18/- 24/- 30/- 36/- 48/-
54/- 60/- 66/- doz.

TURKEY 4/- 9/- 12/6 doz.

do. (cups) 24/- 45/- 72/- doz.

LOOFAHS 8×10" 2/- 10×12" 2/6 14×16" 5/- doz.

And all Sundries at Right Prices.

THOMAS SWALES,

Druggists' Sundriesman,

24 Butts Court, & 89 Albion St., LEEDS.

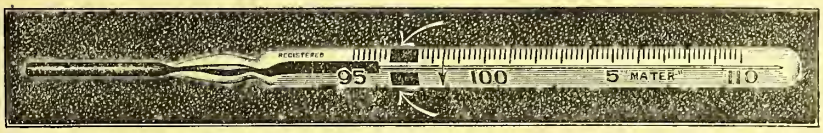
Telephone: 22260 Leeds.

PERKEN'S

GUARANTEED CLINICAL THERMOMETERS

The "MATER" Improved Magnifying-front Clinical Thermometer.

REGISTERED No. 553038



MERCURY COLUMN SEEN AT A GLANCE.
Made in Three Rapidities: Ordinary, 1 Minute & ½ Minute.

X **The "MATER" Clinical Thermometer offers the Pharmacist the largest margin of Profit as Retail Prices are fixed by the** X

P.A.T.A.

FULL CATALOGUE of CLINICAL (39 different types) and of THERMOMETERS for all purposes sent FREE on application.

PERKEN, SON & CO., Ltd., 94 HATTON GARDEN, LONDON, E.C.1.

Established 1852.
Telephone: 724 Holborn.

Contractors to H.M. Government.
Telegrams: "Optimus, Smith, London."

POWELL'S THERMOMETER CO.

Supply Thermometers of **their own manufacture only.** They do not handle those of German make.

DON'T forget that the N.P.L. testing has not made all Clinical Thermometers equal—and that Powell's Thermometer Co. are the Sole Makers of those two pre-eminent varieties, the "Double-Easy" and the "V.O.S."

Also makers of Chemical, Dairy, Bath, Brewers', Incubator and other Thermometers, as well as HYDROMETERS for all gravities.

55 HATTON GARDEN, LONDON, E.C. 1.

INCREASE YOUR SALES

by linking up with our Summer Advertising Campaign. Full pages have been booked to appear weekly in all the leading newspapers and journals. The increasing demand for

Dr Scholl's Foot Comfort Service for Men and Women
DEVICES FOR ALL FOOT AILMENTS

Write for Illustrated Catalogue.

will have to be met. Order your requirements now.
Dr. Scholl's Appliances and Specialities will enable you to give instant relief & permanent correction to any type of foot ailment.
THE SCHOLL MFG. CO., Ltd., 1-4 Giltspur Street, E.C. 1.

Genuine U.S. Army Surplus Stock

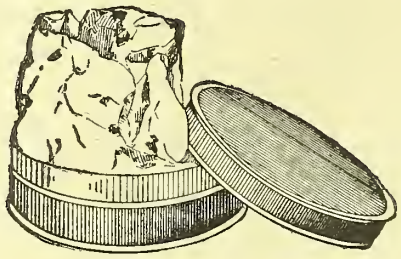
GILLETTE BLADES

Every Blade Guaranteed Clean & Perfect

An Investment showing 100 per Cent. Profit.

Box of ten dozen Blades, **29/6**
Three or more boxes, **28/6** carr. paid

H. A. CANNON,
Red Lion House, Red Lion Court, Fleet Street, E.C. 4.



BEAUTIFULLY MADE

ROUND BOXES

IN ALL SHAPES AND SIZES

FOR

TOILET POWDERS,
SAMPLES,
SHAMPOO POWDERS,
POUDRE DE RIZ,
TOILET OATMEAL,
FULLER'S EARTH,
WATER SOFTENER,
CAPSULES,
TABLETS, PILLS, ETC.

ROBINSON & SONS, Ltd.

BOXMAKERS TO THE CHEMIST TRADE

CHESTERFIELD.

ANNUAL OUTPUT - - NEARLY 200,000,000 BOXES.

12th SEASON.

TRADE MARK.

Straw Hat Time will soon be here.

Be prepared by stocking

MILNER CLEANER for White STRAW HATS.

The Leading Cleaner on the Market.
Retail, **3d.** per packet.

PRICES: 6 doz. **10/-** 12 doz. **19/-**
Carriage Paid.

Advertising matter supplied free.
13 to dozen for Cash with Order.

DISCOUNT: On Orders of
£1 ... 2½ % £5 ... 5 % £10 ... 7½ %

MILNER'S CHEMICAL CO., LIVERPOOL.

GLASS BOTTLES for ALL TRADES, at CUT PRICES, IN STOCK.

ESTABLISHED 1880.

TRADE MARK

Limes, Kalis, Essences, Panelled and Plain Flats, Ovals, Mexicans, Medicals, Lubins, Poisons, Corn Solvents, Salines, Carlsbad Squares (with and without Stoppers), Mag, Cits. Rounds, Lysol Bottles in fine Amber, Tablet Bottles, Provence Oil Bottles, Fancy Salad Creams, &c. &c.

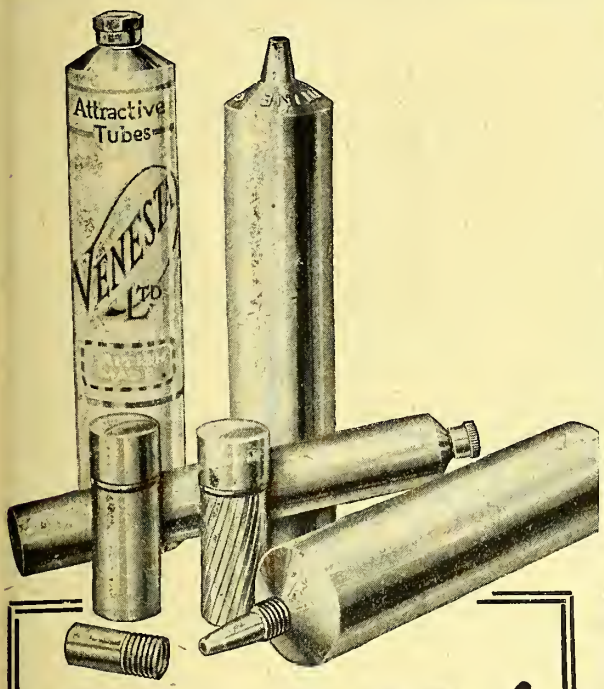
SPECIAL SHAPES Made to Order.

A. Ruch & Co., Ld.

Geo. G. Forsyth,

28 MARTIN LANE, CANNON STREET, LONDON, E.C. 4.

Telegrams—"Sennock, Cannon, London."
Telephone—Central 4799.



Venesta Tubes

When ordering your next supply of tubes remember that Venesta collapsible tubes possess a quality and finish that make them a real selling force.

They are made from Pure Tin, Lead or Lead-coated with Tin and supplied plain or enamelled and printed with designs to suit customers' own requirements.

We also supply Lip-salve Cases, Sprinklers, etc., and shall be pleased to forward illustrated lists, samples and current prices on application to—

G. Dept.

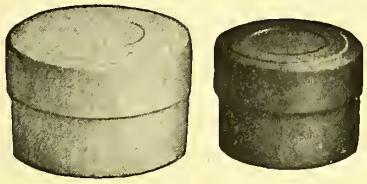
VENESTA LTD.

1 Great Tower St., London, E.C. 3

Telephone - - - London Wall 4760 (5 lines).
Telegrams - - "Venesta, Bilgate, London."

Also Makers of Tin Foil—Plain, Coloured & Embossed.

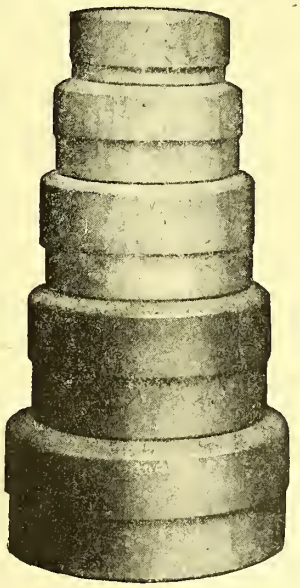
"Corruganza" SEAMLESS PILL BOXES.



THE phenomenal success of the "Corruganza" Seamless Ointment Boxes has induced us to offer a series of Pill Boxes made on the same **One-Piece** principle. Stocked in usual sizes.

They cost a little more than the Ring and Disc style, but THEY HOLD THE GOODS, and do not fall to pieces in handling or in the pocket.

"Corruganza" SEAMLESS OINTMENT BOXES



Have replaced the old willow boxes.

The bottoms cannot fall out.

Greaseproof.

Manufacturers of all kinds of Cardboard Boxes, Folding Packets, Tubes and Canisters, Fibre-Board Packing Cases, Corrugated Paper, &c.

Wholesale or Export only from

HUGH STEVENSON & SONS,

LIMITED.

Summerstown Works, London, S.W.17

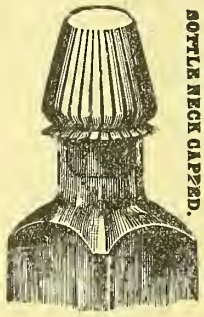
And at Manchester, Birmingham, Leith, Perth & Glasgow.

Kindly mention this Journal when replying to the advertisement.

THE ORIGINAL

HUNT'S BOTTLE CAPS

To fit all sizes of Bottles



To fit all sizes of Bottles

PAPER CASES for Capsules and the Lining of Tin Pastille Boxes. Samples on application.

From all Wholesale Houses or direct from the Sole Makers,

MANSELL, HUNT, CATTY & CO. LTD., LONDON, N.W.

CELLOPHANE

is a transparent film of pure Cellulose, **absolutely** air, grease, and odour proof, **unaffected** by cold, heat or moisture, and **sterilisable.**

An **ideal wrapping** for Drugs, Tablets, Bath Crystals, Perfumery, Provisions, Sweets, Surgical Dressings, Articles of Toilet, &c. &c.

Will keep your Goods, Boxes, Bottles, and delicate Labels **clean** on the Counter and in Shop Windows, allowing the Articles to be seen **by transparency.** Can be had colourless, coloured and embossed.

Also in the shape of **Labels** for Bottles, and **Discs** for Creams, Ointments, Boot Polish, &c.

Cello-Dressings—The best substitutes for Gutta Percha and Oiled Silk. Ask for explanatory circular.

Prices, Samples and Particulars from

The CELLOPHANE COMPANY

(LECLERCQ & CHARERAT),

Bolton House, Cullum Street, LONDON, E.C.3.

CAPPING SKINS

WHITE AND COLOURED SPLITS, OPAQUE AND TRANSPARENT BAUDRUCHE. SPRINKLERS. GLASS BOTTLES OF ALL DESCRIPTIONS

ARTHUR TOOMBS & CO., Perfumers' Sundriesmen

26-27 Bush Lane, Cannon St., LONDON, E.C.4.

Telephone: Central 13374.
Telegraphic Address: "Deflection, Cannon, London"

SELF-FIXING
HERMETIC
WASHABLE
BOTTLE CAPS
ARE
ELEGANT
EFFICIENT
STRONGEST
CHEAPEST
and BEST.
IMMEDIATE DELIVERY.
CARRIAGE PAID.

The VISCOSE
Development Co., Ltd.
BROMLEY :: KENT.

DISPENSING BOTTLES

of Every Description.

REDUCED PRICES.

	2 oz.	3-4 oz.	6-8 oz.	10 oz.	12 oz.	16 oz.	20 oz.	
Blue Tinted Flats	20/-	24/6	25/6	32/-	36/-	48/-	52/-	per gross
"Special Brand" Pale-tinted Flats	30/-	34/-	39/-	54/-	57/-	68/-	80/-	„
Poison Bottles, Flat or Hexagon ... *(Blue or Actinic Green)*	20/-	26/-	34/-	50/-	52/-	—	—	„

White Glass Vials ... 2 drm. 12/-, ½ oz. 12/-, 1 oz. 14/-, 1½ oz. 16/-, 2 oz. 18/-, 3 oz. 26/- „

For the convenience of our friends who prefer them, we are now stocking the [W] Brand Dispensing Flats. Prices on application.

We have moulds for the various series, and stocks are held of the following:—

Dispensing Bottles
Vials
Poison Bottles
Poisonous Ovals (For Ammonia)
Panelled Flats
Kay's Essence Panels
Tall Panelled Tobins
Hanover Panels (Panel in back)
Screw Capped Bottles
Emulsion Bottles
White Flint Kalis
Malt Extract Jars
Honey Jars
Corbyns
Quinine Tinted Panels
Feeding Bottles
Mexican Flats
Corn Solvents
Stoppered Flats
Embrocation Bottles
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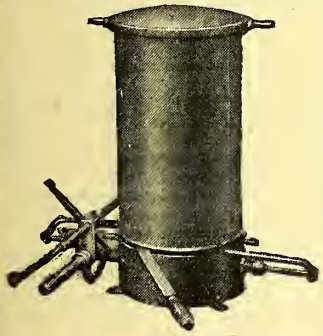

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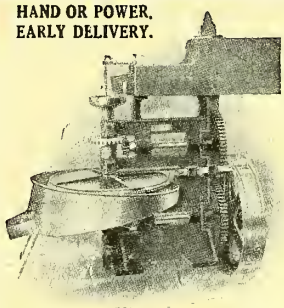

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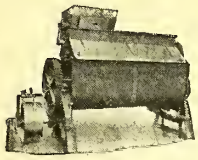

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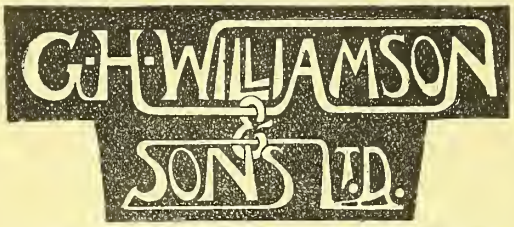

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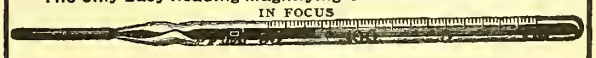

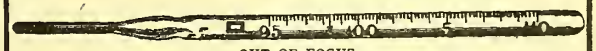

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WANTED, to establish a Chemist's Business; £5 will be paid on account of 1 per cent. of the first year's takings if acted upon; all replies acknowledged and treated confidentially; South or South-West country or coast. "Cosmos," (83/1), Office of this Paper.

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

1.—LONDON, W.—Well-established cash retail business in splendid position. Returns about £4,500; net profit fully £1,000; books properly kept and audited; long valuable lease at low rental; house attached. Price, £3,500. Cash references required.

2.—LONDON, N.—Old-established quick cash retail and dispensing business, increasing. Returns about £2,700; good position; low rent; long valuable lease. Seven-roomed house and large shop, heavily stocked. Price £2,000, near offer entertained.

3.—LONDON, S.W.—Good medium-class cash business in busy main road, entirely under management. Returns nearly £2,000; plenty of scope; net profit only £18; on lease. Price £1,200 cash; worth attention.

4.—VICTORIA STATION (near).—Very profitable cash retail, in good position. Present returns £35 a week under manager; could easily do £50; rent covered by let-off; no living accommodation available at present. Well fitted shop; good stock. Price £1,450, including leasehold.

ESTABLISHED 1870.

The Association of Manufacturing Chemists

— LIMITED —

Head Offices —26/28 Kimberley House, Holborn Viaduct, London, E.C.1

(and at 2 Bixteth Street, Liverpool).

PHONE: CITY 6942.

Having successfully negotiated the sale of two Wholesale and two Retail Chemists' Businesses during the past two weeks, we shall be glad to hear from intending vendors who desire to be put into communication with bona-fide purchasers. We have a large register of genuine buyers, with capital from £1,000 to £3,000 or more, and can guarantee prompt and satisfactory sales.

Our terms are reasonable, and we make no charge whatever unless a sale is effected through our agency.

We have the following Businesses for Sale:

1.—CORNISH COAST.—Good-class Retail Dispensing and Photographic Business; returns £40 per week; very low rent and nicely fitted shop; long lease; good house accommodation; offers invited.

2.—NEAR LUDGATE CIRCUS.—Good-class Cash Business; returns £57 per week, at excellent profits; rent £80 per annum; established 30 years, and in present hands 6 years; lock-up shop; good reasons for disposal; price £2,000, or offer.

3.—KENNINGTON.—Old-established Retail and Dispensing Business; returns £30 per week under management; long lease would be granted at nominal rent; good living accommodation; well fitted and stocked; price £650 or offer.

4.—LONDON, E.C.—In working-class market place; lock-up shop and basement; reasonable rent; returns £25 to £30 per week under Manager: price £950 or reasonable offer.

5.—YORK.—Chemist's Business, established 11 years; turnover £1,600 per annum; property also for sale with excellent accommodation; sole monopoly of a population of 6,000; £500 could remain on mortgage; stock and fixtures about £600.

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Recommended by The British Drug Houses, Ltd., Messrs Meggeso Messrs. Barclay & Sons, Ltd., and many other leading Wholesale Valuers to the Association of Manufacturing Chemists.

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BUSINESSES WANTED.

6s. for 50 words or less; 6d. for every additional 10 words or less, prep

BOLTON or Manchester Districts, or any good town in shire.—Drug Store, which can be converted into Che with opening for N.H.I. and Photography, or small Chemist' ness, preferably with living accommodation; cash available, £700; replies treated in strict confidence. Apply 30/42, of this Paper.

CHEMIST would like to hear of good opening for Busi Surrey; £10 if advice acted on. 85/2, Office of this

CHEMIST desires to purchase a small Business; neglect not objected to if scope for increase; cash available £600; references given if required; living accommodation sary; replies treated confidentially. "Edgar" (86/5), Of this Paper.

DRUG Store or Chemist's Business, suitable for young, en man; Middle-class Business in Midlands preferred, b essential; neglected business not objected to if scope for in living accommodation an advantage; cash available. Kind particulars in first instance, which will be treated in stri fidence, 84/13, Office of this Paper.

GENUINE Retail Business wanted; returns about £2, over, in good country town, preferably in Surrey, Hertfordshire, or Berkshire (but not essential); at once, wait vendor's convenience; bank reference given. Kindl particulars, including house accommodation, in strict con to Stones, 16 Cabbell Road, Cromer.

SMALL Chemist's Business wanted; Midlands or South land; price about £600. Apply 80/29, Office of this

SOUND Retail Chemist's Business required; South of E preferred, or within easy distance of London or Bri healthy locality; returns about £1,500 to £2,000 per with scope for increase; good living accommodation es cash available. Send full particulars, Horne, 8 Mead Springfield, Chelmsford.

WANTED, a good-class Business, near Croydon, or in would purchase premises if freehold. 85/200, Office Paper.

WANTED, a small Business, about £200, in rising nei hood; Midlands preferred. "Tokio" (84/24), Office Paper.

APPRENTICESHIPS.

APPRENTICE or Pupil, well educated, refined, for hi business in West-End London suburb; thorough t guaranteed. Apply 85/28, Office of this Paper.

BUSINESSES FOR DISPOSAL.

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T **Advertiser** may if preferred, have replies addressed to this ce, and forwarded on payment of an additional charge of 1/-.

B MINGHAM.—Neglected Business; good house; long lease can be had; valuation about £300. Apply 83/4, Office of this Pa

B GHTON.—Lovely situation; good-class Business; double-fronted shop, well fitted and stocked; good seven-roomed hou bathroom, and garden; vacant possession; low rent; price £4 only for quick sale. Apply "Unique" (P.C.B. 80/35), Off of this Paper.

L DON, S.E.—Ready-money Business for disposal in main oad; N.H.I. worked; turnover nearly £3,000 and increasing; net fits £1,000; satisfactory lease; every investigation courted; refe ces required. Apply 82/14, Office of this Paper.

N TH WALES.—Good-class Light Retail, returning now at ate of £2,000; good house and large garden, with fruit tree etc.; desirable locality; price £1,100. Apply 45/100, Offi f this Paper.

M DLESEX (10 miles out).—Middle-class ready-money Busi-ess; turnover £3,200 (increasing), with Ucal and Kodak age s and valuable wine and spirit licence; long lease; low rent easily worked; house attached (6 rooms), stock-room, and outh e; excellent opening for Dentistry; price £1,750 all at; only yers with cash please. Fuller particulars on application with ferences to "Solex" (82/20), Office of this Paper.

M ANDS.—Two good Retail Drug Stores; one in a large anufacturing town, the other a branch on the outskirts; £60 he two; could be sold separate; rent £39 per annum, in-clud he two shops, clear. Apply 45/4, Office of this Paper.

M ANDS.—Good-class Light Retail, with fine opening for her Photo, Dental, or Optics; returns £1,800; large house; rent 0, on lease; satisfactory reason for sale; price £1,200, or n offer. 45/10B, Office of this Paper.

SH PSHIRE.—For Sale, an old-established Pharmacy, situated hous best position in town, in a good agricultural centre; large good ith garden attached; long lease; wine and spirit licence; bottl enoies, with mineral-water factory and beer and stout Addr ; good paying concern; applications for purchase invited. Hand "Salop," c/o Messrs. Evans Sons Lescher & Webb, Street, Liverpool.

D Store, with comfortable cottage attached, for Sale, of ooal- 6 rooms, warehouse, earthenware tubs, hot bath, w.c., asses se, and nice garden, in prosperous Perthshire village; vend le rental £17, feu duty 20s. 3d.; established nine years; ture. retiring; capable great increase; with or without furni-pply 83/37, Office of this Paper.

SM Retail and Dispensing Business for immediate disposal; "Sus 50 or near offer; freehold property can be bought. " (84/23), Office of this Paper.

TA T Machines.—Complete small Plant, with electric power, in sp disposal; low rental for premises; well equipped and to en id running order; grand opportunity; would be prepared Office air offer for machines (Stokes & Colton). Apply 85/20, this Paper.

£7 for good established Drug and Photographic Stores; shop splendid opening for qualified man; N.H.I., etc.; corner railw opposition, nearest Chemist one mile; factory district and lands entre; £1,000 turnover; owner wishing to qualify; Mid-rictly confidential. Reply 82/7, Office of this Paper.

FOR SALE.

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CAS Register Till, £12 12s. model; strong dovetailed case, cash ly french-polished; patent check-action drawer; large willin city; accept £4 4s.; also smaller model, £3 5s.; approval 3 Aubert Park, Highbury, London, N. 5.

CLE ING LINE.—About 10 gross finest quality Dental Cream, in re tin white enamelled tube, printed in two colours; full-size 1s bes, 60s. per gross, carriage forward, or best offer for lot; sample .; part exchange entertained. Wanted, "British Pharma-copœia and modern text-books. Apply 81/4, Office of this Paper.

DEN L SURPLUS STOCK.—6 1-oz. Mylocal, 1 4-oz. Mylocal, 9 oz. Alvatunder, 3 P.D. Locosthetic, 30s.; 6 Metal Hypo-dermic d 1 Glass Syringes, 20s.; 1,000 odd Diatoric Teeth, 75s.; 1 Dm. 's 7 Voltmeter, 40s.; 1 Saliva Ejector, metal, 1 Mouth Mirror pairs Dressing Forceps, 7s. 6d.; 400 Burs Straight and R.A., 6d.; 42 Scalers, Fillers, and Excavators, 40s.; 7 pairs Forceps 5s.; 2 Brass Lathe Chucks, 14 Handled Scorpers, 12s.; 1 Hand Mouth Gag, 5s.; 28 Vulcanite and Metal Files, 14s.; the lot 13 10s. E. A. Holloway, Broadway, Southend-on-Sea.

SODA-WATER Plant, by Barnett & Foster; suitable for Chemist; perfect condition; will sacrifice for £29. Crowe, 3 Belsize Avenue, N. 13.

TABLET Machine, in good order, for Sale; Wilkinson, Leicester, type; output 160 per minute. Secretary, 30 Chandos Street, Portsmouth.

WHOLE Chemist Shop Fittings and Stock (Glass Cases, Bottles, etc.), to be sold; end of lease; owner going abroad; rare opportunity for anyone intending to start a new business; no reasonable offer refused. Apply in first instance in writing to "A. A. M.," 152 Great Portland Street, W. 1.

$1\frac{3}{4}$ CWT. Pulv. Zingib. (coarse), suitable for Mineral-water Manu-facture, or Veterinary use; also 6-gallon jar Bushes Caramel, unopened. Offers to Alexander Bottle & Co., Chemists, Dover.

SITUATIONS OPEN.

RETAIL.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

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BIRMINGHAM LOCAL WAR PENSIONS COMMITTEE.

Highbury, Uffculme and Sorrento Hospitals, Moseley, Birmingham.

DISPENSER.

DISPENSER (qualified) required for the above post, which is a full-time one and non-resident.

Applications to be forwarded at once, giving salary, experience, and references, to Hospitals Secretary, Uffculme Hospital, Moseley, Birmingham.

BLACKPOOL DISTRICT.—Energetic unqualified Assistant; good Window-dresser, smart Salesman. Apply, giving fullest particulars and photo, to 82/3, Office of this Paper.

BOLTON, NEAR.—Wanted, qualified Assistant; outdoors; permanency; young, energetic; must be good Window-dresser and thoroughly experienced in Dispensing and Counter work. Apply, stating age, salary, experience, to Wardle's Drug Stores, Ltd., Moses Gate, near Bolton.

BRIGHTON.—Assistant required about May 23, with experience in good-class Retail and Dispensing; state age, experience, references, and salary required, and photo if convenient, outdoors. Black & Co., Chemists and Opticians, 81 St. James's Street, Brighton.

EAST COAST.—Wanted, shortly, qualified Assistant (30-35) for Cash Store trade; able to take entire charge; smart Salesman, Window-dresser, and knowledge of Photography essential; permanent, progressive berth for ambitious man; commencing salary £6 and commission. Apply 86/3, Office of this Paper.

LIVERPOOL.—Young unqualified Assistant (immediately), for two months, possible permanency; Light Dispensing; comfortable hours; confident Counter man, with pleasant address, essential. Full particulars and salary required. Applications unanswered within week respectfully declined. 82/38, Office of this Paper.

LONDON, S.W.—Qualified Assistant for good-class Dispensing; age about 30. Blades, 10 Gloucester Road, S.W. 7.

LONDON, W.—Qualified part-time Assistant required for Light Retail business, to relieve proprietor for an hour or two daily; would suit retired Pharmacist requiring light occupation. Reply, giving full particulars, salary required, etc., 85/30, Office of this Paper.

LONDON, W.—Competent Assistant required for good-class business; must be strictly temperate. Call or write, Rouse & Co., 12 Wigmore Street, London.

LONDON, W.—Smart, intelligent, energetic, qualified Manager; must have good experience in pushing middle-class cash trade; Window-dressing, Photography; record must be first class; scope for development and prospects to a business-builder; age 26-30. Address "Developer" (86/4), Office of this Paper.

RADCLIFFE, MANCHESTER.—J. T. Smith & Son desire to thank all who applied for their vacancy. The applications are too numerous to reply to individually.

WEYMOUTH.—I require a smart Junior Assistant for the summer season; he must be a good Salesman, smart Window-dresser, and a knowledge of Photography is essential; full particulars in first letter please. Frank Howard, King Street Pharmacy, Weymouth.

WEST RIDING.—Required, for good-class Store business, capable, young, unqualified Assistant; must be smart Counter-man and Wiadow-dresser, and with knowledge of Photography. Apply, stating age, height, and salary required, to 85/31, Office of this Paper.

WOKING.—Wanted, a young Assistant, good Wiadow-dresser, and to assist in dispensing in good-class Pharmacy. Apply, stating salary, experience, etc., to A. Lloyd Davies, Pharmacist, Woking.

A JUNIOR (must be a neat, accurate, and willing worker) for a good-class Dispensing, Retail, and Photographic business on Norfolk coast; full particulars, with photograph, stating when disengaged, salary required (outdoors), and references. Apply "Poppyland" (83/2), Office of this Paper.

AN Improver or Juaior Assistant, about 20 years of age; must be a neat and accurate Dispenser, aad able to assist at Counter. Full particulars, stating salary required (outdoors), to Fleet, Chemist, Rugby.

ASSISTANT wanted, unqualified, Junior (male or female), immediately; hours 8.30 to 7.30, Thursdays 1 o'clock, Saturdays 8.30; kindly state age, height, experience, and salary required; applications not answered within a week respectfully declined. Carruthers, Chemist, Bedford.

ASSISTANT for good-class Retail and Dispensing business; indoors; a man with some experience wanted. Harris, Chemist, 1 Kingston Hill, Kingston-on-Thames (Norbiton station).

ASSISTANT; outdoors; young; smart Window-dresser and well up in Photography (Developing not required) and Stock, for London, S. Apply, with usual particulars, stating age and salary, 85/34, Office of this Paper.

JUNIOR Locum; three weeks in June; qualified Locum, three weeks in August; references, etc. Silver, Kettering.

JUNIOR or Improver, of gentlemanly appearance, for good-class brisk suburban business; state usual particulars and salary required. A. & N. Catto, Ltd., Chemists, 49 Cranbrook Road, Ilford, Essex.

JUNIOR or Improver; outdoors; good opportunity for gaining thorough knowledge of business. Apply, giving usual particulars and salary required, to G. W. G. Robinson, 307 Railton Road, Herne Hill, S.E. 24.

LOCUM, two weeks middle of July; qualification not necessary. Apply 82/9, Office of this Paper.

OUTDOORS.—Young Junior wanted, unqualified, for old-established, good-class, Mixed country business; easy hours; no Sunday duty; no Insurance work; good references required. Apply, with full usual particulars, age, and salary required, to A. Vawser, Ph.C., March, Cambs.

PARKE'S Drug Stores, Limited, require the services of an unqualified Assistant; applicant must be young, energetic, and a reliable Dispenser; highest references required. Apply 65 Harmood Street, Camden Town, N.W. 1, any morning between 10 and 12 o'clock, or by appointment.

PHARMACIST (male or female), to act as Hospital Dispenser, and as Laboratory and Photographic Assistant; must hold one of the qualifications of the Pharmaceutical Society. Apply, in writing, to Physician Superintendent, Crichton Royal Mental Hospital, Dumfries, stating age, qualification, training, and experience, with copies of testimonials and salary desired. No deduction from latter towards pension. Appointment terminable on three months' notice.

QUALIFIED Assistant wanted for light duties; salary £3. Write 83/400, Office of this Paper.

QUALIFIED Assistant with view to Managership; must be young, energetic, and willing to undertake relief work; applicants must send particulars of experience, age, and salary required; communications not answered respectfully declined. Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

QUALIFIED Assistant wanted from June till October, probably for permanency; male; outdoors; must be absolutely reliable Dispenser. State age, height, and salary required in first letter, to Kirkman, New Milton, Hants.

QUALIFIED Locum wanted, from June 3rd to Juae 17th and first fortaight in September. A. Wood, 116 High Street, Brentford, Middlesex.

QUALIFIED Manager for branch, young, and capable of working up neglected business. State full particulars as to experience, etc., and salary required, "X" (85/29), Office of this Paper.

SMART Junior Assistant or Improver required immediately. Apply, stating age, experience, and salary required, to Colmans, Ltd., 161 Bury New Road, Manchester.

TWO qualified Assistants (outdoor) required by Bell & R Pharmaceutical, Analytical, and Assayers, Hexham. K state age, experience (in full), salary expected, with three ences, and where trained.

UNQUALIFIED Assistant wanted (outdoors) for good-class pensing and Light Retail. Full particulars of exper age, and salary required, to Dring, Chemist, Teignmouth.

UNQUALIFIED Assistant required for Light Retail and pensing; young and energetic; knowledge of Photogra essential. Full particulars, stating salary required, to Chemist, Albany Road, Coventry.

WANTED, qualified Assistant for N.H.I. Dispensing; wh part time; N.W. London. Reply fully, stating age, required, etc., to "Pharmacist," 85/13, Office of this Pape

WANTED, unqualified Assistant for small Speciality aad scribing branch; permanent situation. Hulmes, Ch Nottingham.

10 CHESTER PLACE, HYDE PARK SQUARE, W. 2.—A energetic Assistaat required, capable of Dispeasin Counter work. Apply, stating salary required, by letter o first instance, Maitland, Greenish & Lindley.

WHOLESALE.

6s. for 40 words or less; 6d. for every additional 10 words or less prep

The Advertiser may, if preferred, have replie addressed Office, and forwarded on payment of an additional charge o

LANCASHIRE.—A Traveller wanted on commission basis on Chemists; no objection to other non-clash lines. 82/11, Office of this Paper, giving details as to exact area and experience.

A HANDSOME commission is offered, with exclusive te for the sale of a Speciality Summer Beverage; last sales phenomenal; this will be found a magnificent side-li successful men will be offered other valuable lines from t time, which will lead to a permanent business; only re workers need apply, as the proposition is a sound one a prove a valuable addition to income; send fullest part including age, map of territory, other commissions carried ences, etc., which will be treated in strict confidence; in arranged if necessary. "Sales Manager" (13/36G), O this Paper.

A VACANCY occurs in a newly-established house for a man thoroughly experienced in the manufacture of hi Perfumery and Toilet articles; able to control staff aad ir new lines; excellent prospects for suitable applicant. St salary expected, and full details of experience, to 7/23 of this Paper.

INVOICE Clerk wanted; must have thorough knowledge Drug trade and able to control staff. Address, stat experience, and salary required, to 36/70, Office of this Pa

PERFUMER-CHEMIST.—Established Northern Manuf Chemists require good man, with sound knowledge Synthetics, ideas and initiative, capable of turaing out g Perfumery. State full particulars, salary required, etc., t Office of this Paper.

REPRESENTATIVE required to call upon Chemists w gical Dressings and up-to-date Sundries; territor Sussex, Surrey, Hampshire, Dorset. Reply P.C.B. 80/3 of this Paper, giving fullest particulars of preseat eor fullest confidence will be observed; state salary, commiss expenses required.

REPRESENTATIVE required for W. Midlands, S. W W. of England; live, energetic man, with connection buyers of Perfumery, Toilet Soaps, and Packed Goods; co basis; non-competing line not objected to. Full particula Office of this Paper.

REPRESENTATIVES of first-class firms waated, to co tional exceptionally good lines; 10% commission; Wales, North, East Coast, and Scotland. 45/12B, Offic Paper.

RETURNING PHOTOS, &c

Advertisers in this section who receive port and copies of testimonials from applicants wi stamped addressed envelope for reply are remi that the undue retention of these often mea hardship to the sender. All personal docum should be returned as promptly as possible perusal.

EPRESENTATIVES on commission required to carry Paper and Bags as side-line. State full details in confidence to 5A, Office of this Paper.

EPRESENTATIVES wanted for quick-selling Summer Line; small samples; liberal commission. Only men with good d connections are invited to apply, stating district covered, rience, etc., 85/22, Office of this Paper.

RAVELLER wanted for Yorkshire, for sale of Dyes and Colours, chiefly in the non-textile trades; connection with her, Varnish, Polish, Ink, Cabinet, and allied trades preferred; opening for thoroughly qualified man with undeniable refer- s. State full particulars to 43/24W, Office of this Paper.

RAVELLERS, for all the British Isles, with live and sound connection amongst Chemists, to carry, on commission basis per cent.), an efficient Razor-Strop Dressing, also excellent re-sharpening safety-razor blades by simply stropping them; illing article; testimonials from leading Hairdressers all over t Britain. T. Flint & Co., 17 Sneyd Street, Tunstall, N. s.

ET-COUNTER Hand and Checker for packing-room for London Wholesale Druggists; Retail experience essential. Apply 46, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

OMBAY.—Qualified Assistant required (immediately) for old- established European business; must be thoroughly experi- d; three years' agreement; salary commencing Rs.450 per h first year, Rs.475 second year, and Rs.525 third year; d-class passage out and home. Apply, with copy testimonials photograph, to 24/58, Office of this Paper.

SITUATIONS WANTED.

[HOME.]

RETAIL.

s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

Advertiser may, if preferred, have replies addressed to this ice, and forwarded on payment of an additional charge of 1/-.

A.A.—JUNIOR (19), unqualified; five years' experience Dispensing, Counter, Photographic, Window-dress- London or seaside. Write "E. W. G.," 2 Ranley Road, Wood n, London, N.

A.A.—KEEN, energetic Pharmacist (27), single, West- End experience, desires permanency as Manager or r; expert Photographer; French; knowledge of Homœopathy; e purchase or partnership entertained. 84/30, Office of this r.

COMPETENT Assistant (36), unqualified, experienced Lis- pensing, Counter, Photographics, and Optical; keen Salesman, Window-dresser. Apply "A." (85/18), Office of this Paper.

HALL Dispenser (lady) desires post with Doctor or in Insti- tution; would drive car if necessary. Apply P. Adair, vade, Forest Hall, S.E. 23. Tel.: Sydenham 1083.

QUALIFIED, experienced woman Dispenser wants post; dis- engaged; not seeking high salary; please give particulars. "H." (82/40), Office of this Paper.

QUALIFIED Chemist (48), disengaged to-morrow; Locum or permanent engagement; experienced Dispenser. "Statim," icoll Road, Harlesden, N.W.

QUALIFIED N.H.I. Dispenser, 40, ex-Service man, desires berth; Hospital (Military), Retail, and Medical experience; fraid of work; disengaged May 6th. Coles, 30 Milton Road, dstone, Harrow.

QUALIFIED Manager or Locum; good experience; disen- gaged; terms moderate. J. Fraser, 57 Cranbury Road, am, S.W. 6.

Locum or Branch Manager; disengaged May 9th; experi- enced, qualified, reliable. 39 Church Avenue, East Sheen, 14.

Locum.—Pharmacist, with good General experience and business ability, country or seaside town, disengaged June 6th th inclusive. Apply 85/16, Office of this Paper.

Locum or permanency; reliable; experienced West End and provinces; good references; disengaged; moderate terms. mist," 6 Eastbourne Terrace, W.

AS Manager or Dispenser; qualified; expert Pharmacist and Photographer; outdoors; elderly, active. "Major," 3 East Dulwich Grove, S.E.

ASSISTANT (23); deferred in one subject; good experience Counter, Dispensing; excellent references; North Wales Coast preferred. Apply 82/24, Office of this Paper.

ASSISTANT or Manager (33); unqualified; abstainer; reliable; 15 years' good all-round Dispensing and Retail experience, Photography, Agricultural. Apply 83/16, Office of this Paper.

ASSISTANT, experienced, taking lectures, wishes part-time duty; West-End or elsewhere; evenings from 6 o'clock, Saturdays any hour. Replies "Catalytic" (P.O.B. 80/10), Office of this Paper.

ASSISTANT; 33; married; ex-service; 12 years' experience with Chemist as Apprentice and Assistant; some Surgical knowledge; can drive motor. Apply M.L. 72718, Office of this Paper.

ASSISTANT Dispenser; 27; married; 3 years' experience as Assistant. M.L. 75250, Office of this Paper.

ASSISTANT, unqualified, single, first-class experience, desires easy berth, not being very strong, about end of May. Apply P.C.B. 74/38, Office of this Paper.

ASSISTANT, M.P.S.; used industrial-class business. "Adver- tiser," 81 Wilbury Crescent, Hove.

ASSISTANT, unqualified; married; experienced Dispensing, Counter, Photographic, Window-dressing; good references. "Statim," "Loughrigg," Windmill Hill, Hexham.

ASSISTANT (clergyman's daughter) desires post, early May; London. Write, duties, hours, salary, Miss Rumsey, 128 Belgrave Road, S.W.

ASSISTANT, unqualified, desires part-time situation; London district only. "V. R.," 30 Gore Road, Hackney, E. 9.

ASSISTANT, unqualified; 45; experienced Dispenser, Prescriber, Salesman; capable of taking charge. "Radix," 130 St. John's Road, S.E. 8.

ASSISTANT (23); unqualified; six years' experience; College- trained; good references; permanent or season. "Statim," 106 Castle Street, Hinckley.

ASSISTANT, Senior, or Manager, qualified; Cheltenham or Mid- lands preferred; London and Continental experience; moderate salary. "Venenum," 1 Bath Road, Cheltenham.

ASSISTANT, unqualified, desires berth in London; five years' experience Counter, Dispensing, Photographic. Thomas, Compton House, Ton-Pentre, Rhondda.

ASSISTANT (21); good experience at Counter and Dispensing; satisfactory references; now disengaged; South Coast pre- ferred. Please state salary (outdoors), "C. H. G.," Somerset House, Shepton Mallet.

ASSISTANT (30), male, abstainer, unqualified, seeks position, Dispensing or Counter. 84/10, Office of this Paper.

BLACKPOOL or DISTRICT.—Unqualified; good Dispenser and Counterman; excellent references; interview if desired. Butterworth, 7 Elm Street, Fleetwood.

CHEMIST, expert Photographer, is open for season engagement or Locum. Walker, 24 Aynam Road, Kendal.

COMPETENT Pharmacist desires re-engagement as Branch Manager or other responsible position; Eastern Counties preferred, but not essential. Kindly state particulars and salary to Manager, Market Pharmacy, Aylsham.

DISENGAGED; qualified; æt. 46; wide experience; Manager or Locum; London preferred. "Chemist," 108h Elgin Avenue, W. 9.

DISPENSER, 27, West-End experience, desires engagement with Doctor, Institution, or Stores. Apply 83/12, Office of this Paper.

DISPENSER (Hall), lady, seeks post; three years' experience in high-class Pharmacy and with Doctor. Apply "E. H.," 194 Lower Clapton Road, E. 5.

DISPENSER (lady), Hall qualifications, requires post with Doctor or Chemist; small salary to gain more experience; quick, energetic; anywhere in the British Isles. M. Veitch, The Coppice, Congreshury, Somerset.

DISPENSER (Hall), lady, desires post with Doctor or Chemist. "M. M.," 26 Whitbread Avenue, Bedford.

EXPERIENCED; part or whole time; Counter, Dispensing, Books, Stock; reliable. "Locum," 122 Scott-Ellis Gardens, N.W. 8.

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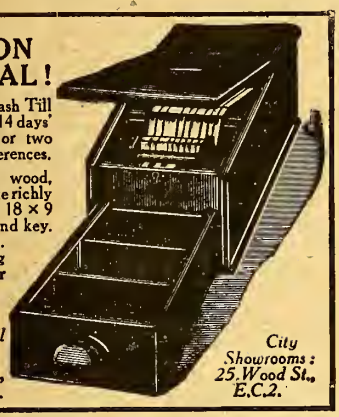

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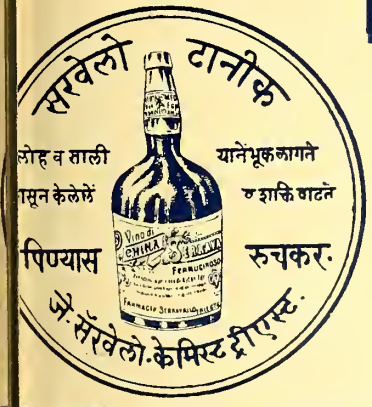

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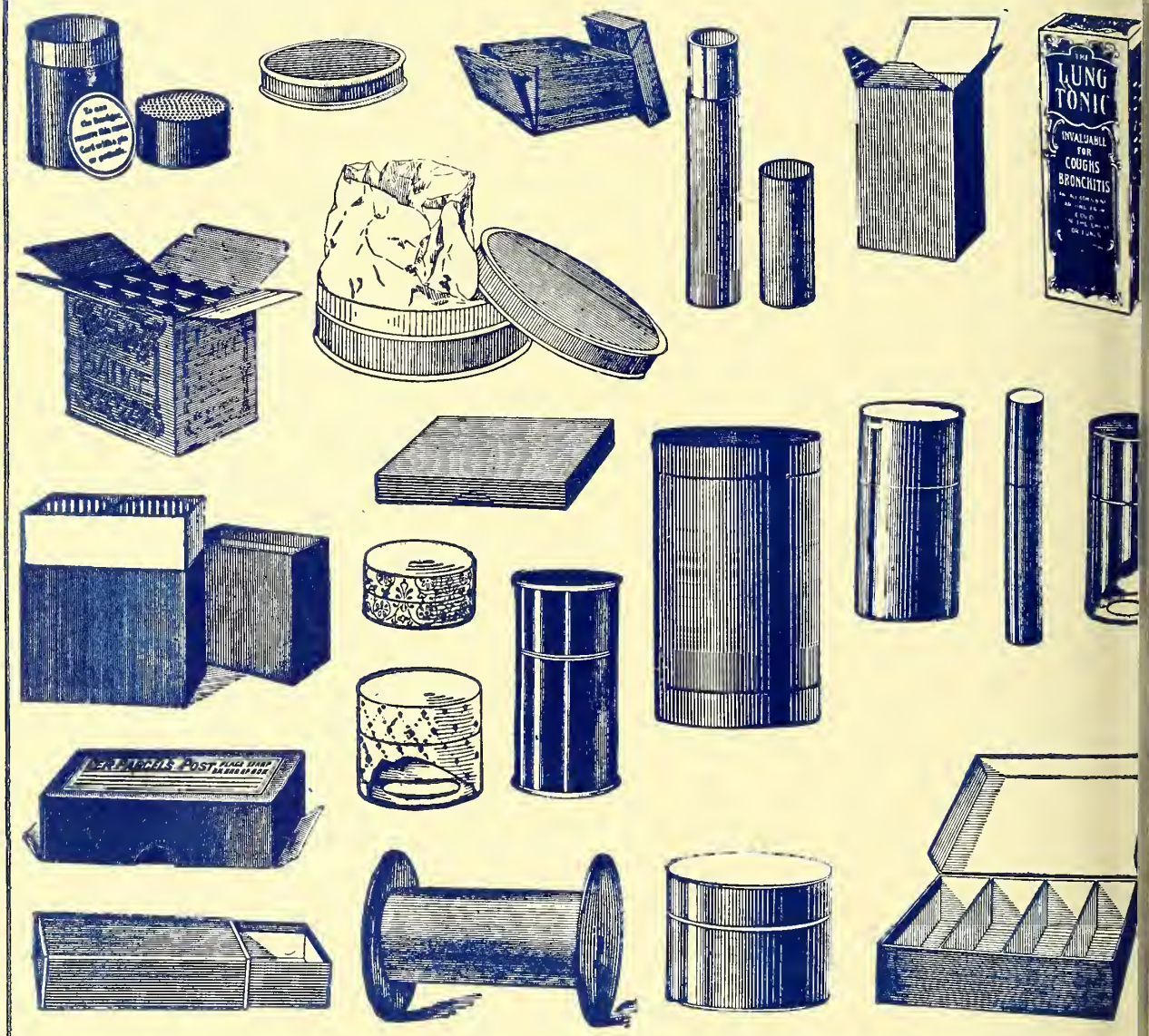

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